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<223> Clone ID: 700962636H1

<400> 15717

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tgtcaaaaaga aattcaccat gcttcagact tggcccgtag gtacaccaag gcctgttgca 180
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<210> 15718

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700962637H1

<400> 15718

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aaactggtgt tcacctaagc gcatggatga agagttcatt gaccaagatc accatatggt 180
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<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700962638H1

<400> 15719

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cgaccacgaa gccactgcag tcagtcactt cgtcgggacg ctaccgcttg tcaccattt 180
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acta 244

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<223> Clone ID: 700962639H1

<400> 15720

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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962640H1

<400> 15721

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 cactcatcgc agccgagtat gctggcgctc aagttgattc tgccgctaata tttgagatgg 180
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 <213> Glycine max

<223> Clone ID: 700962641H1

<400> 15722

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 acatgtgaag agtaatgaat gtgcaaagat atcatcagag aatggaatat gctcacatga 180
 ggatgcagga agtgctgaca tcattattgt ggggtgctggg gttgctgggt cagctcttgc 240
 ttgca 245

002260"CTT560

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ga 242

<210> 15726
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700962646H1

<400> 15726

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ccgagtatga ctatctgttc aagctccttc tgattggaga ctctggtgtt ggtaaactcat 180
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ttg 243

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<400> 15727

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aggttcctta tcgggtttgg gttcaatgga gaaatttcgc gttcacaggt gctgtcaagg 180
agatgctatg cgtcacctca gatctcccc cacaccagga aattggaatg ccttctctct 240
ca 242

<210> 15728
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700962616H1

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 ctcagggtcaa gtctctaaga ggcgacagta ggcaatttca gagtattgtg gatgagaaat 180
 tgaaagagat tggacctctg cagcaagcac tgggcaagct gcggactaca aatgatgccg 240
 gccggggtgg ttt 253

<210> 15729

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700962576H1

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 tttttggttt gggagaggag aaaccaagaa ttaagaaatg ggttgctccg taagagtttg 180
 ttgtgtctta tttttggtgt tgttggtggc atgtgtaga ggggaggacc cttatagatt 240
 ct 242

<210> 15730

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700962577H1

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 cgacaaagaa cggatgattg caagagttga gccctagtc aacatgggtc agatcagcag 180
 ggtgactgta cccatgaatc tttcccttgc tgtagttgca gagcttgatg atctaactgt 240
 cg 242

<210> 15731
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 <223> Clone ID: 700962578H1

 <400> 15731

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 gccttcgggtt aagtgcacac tccttctcta ccaaagaga ggatgaggaa agggagcaac 180
 tcgcaaagga catttcaagg attggagttc tgtctttgaa cgtagcatta acactctctt 240
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<210> 15732
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700962580H1

 <400> 15732

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 gcagcaccca gtaccagcc ctctgctctc catcctctc cgtctacgcc tccagcatcc 180
 aacaggaccc tcaccaactg gtccagacag cactctccct ctccctgaac cgcacccaag 240
 cgaccaaaa 248

<210> 15733
 <211> 98
 <212> DNA
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 <223> Clone ID: 700962581H1

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<210> 15734
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 <212> DNA
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 <223> Clone ID: 700962582H1

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 tgaatcagtg aacgaggggc accctgacaa gctctgtgac cagatctccg atgctgtgct 180
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 caac 244

<210> 15735
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 <212> DNA
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 <223> Clone ID: 700962583H1

 <400> 15735

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 atgaactaga atttattatt gcatcggaac tttctgatcc agcttggcca gcagcactat 180
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 ctctt 245

<210> 15736
 <211> 244
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700962584H1

 <400> 15736

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 ttgatgcagg agctggctgt cttggtggaa ctacacaata cactgtcaac aaccagatgg 180

tgaatgccac cctcatgaac attgctgata accccaccaa tgtgcagctt cctgggtatgt 240
 acaa 244

<210> 15737
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962585H1

<400> 15737

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 ctacataatc cacatggacg agaccaccat gcccttaacc ttcaccgacc acctcagctg 180
 gttcgacgcc tccctcaaat cagcgtcccc ctccgcgag attctctaca cttacaaaca 240
 cgtggcc 247

<210> 15738
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962587H1

<400> 15738

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 ttaagatctt gggttggtct gagaggacca cttgggaaga gggcttgaag aaaaccatgg 180
 actggtatat caacaattct gattggtgg 209

<210> 15739
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<223> Clone ID: 700962588H1

<400> 15739

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tcgattaccc atttggttat ttgcgcctaa tggctcttgc tccatccaaa gtttccacct 120
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 cggtgcc 247

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<223> Clone ID: 700962589H1

<400> 15740

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 cagcacacca ttgcaattta ccattctaca tttaggcaat gccagccacc caatagataa 180
 tagcaataag tctttcttca cttcaactcg cactgggtatt taaacaagtc tgatgggttc 240
 aag 243

<210> 15741
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 <213> Glycine max

<223> Clone ID: 700962593H1

<400> 15741

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 ataatcacat accagctgct ccagtttttc ttcccgatag accatggaac cagattcctg 180
 gtggagttac tgctgcggag ggattcaaag ctgcgggaat gtacggaggt ttacgtgcc 240
 aagg 244

<210> 15742
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962595H1

<400> 15742

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 gtgtccaaag cgagaaccgc ctttcattcc gccgcggcca aagcggagcg cgttctcttg 180
 gatttcaaat ccgatcgaga tcacgataaa caatcgctgc ccaacacctt caccggccaa 240
 caac 244

<210> 15743

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700962601H1

<400> 15743

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 tgatttggtt ggccgtgctc gcactgggtca gggtaaaact ctggcatttg tgttgccccat 180
 attagagtct ttaataaatg gtccagcaaa atctgccaca aagactggct acgggaggac 240
 tccgagtgtt ctcgtg 256

<210> 15744

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700962602H1

<400> 15744

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 gcatggcttt gttggtggag aaaaccacga gtggtcgcga gtacacgggtg aaggacctt 120
 cccaggccga cttcgccgc ctcgagatcg agctggccga gggtgagatg cccggcctca 180
 tggcctgtcg gaccgagttc ggcccctccc agcccttcaa gggggcccgc atcaccgggt 240
 ccctccacat gaccatccag aacgccgttc tca 273

<210> 15745
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962603H1

<400> 15745

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 ccacatcttg ggttaccaag acaccttgta cgtccagacc aacaggcaat tctaccgcaa 180
 ctgcgtcatc tccggcacag tcgacttcat cttcggcacc tctccaccg tgatccagca 240
 ctccgttatac 250

<210> 15746
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962604H1

<400> 15746

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 ggatccacat gctatcactc caaatgcact ttcatacaaa tcagcaatga gagagaatct 180
 gttgaggcag ggatacagaa ttgttggaat cattggagac caatggagcg atctgcttgg 240
 agaccacag 249

<210> 15747
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<223> Clone ID: 700962605H1

<400> 15747

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tcagatcatt gggatgatgg tgggagtgat cgatctggaa cagctaagga ggatgaatct 180
 ttcaccattg cccataggtc agattttcga gacaaggggtg ttaatcacat gtctgggtact 240
 aaactt 246

<210> 15748
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 <213> Glycine max
 <223> Clone ID: 700962606H1
 <400> 15748

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<210> 15749
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 <213> Glycine max
 <223> Clone ID: 700962607H1
 <400> 15749

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 atcaatcatc cattcattat tcatcaagtc gtcggcgaag aaaatcacgc tgaagagttc 120
 ggacggcgag gtttcgaggt ggaggaggcg gtggcgctgg agtcgcagac gataaagcac 180
 atgatcgagg acgactgcgc cgacagcggc atccctctgc cgaacgtgac gagcaagatc 240
 ctggcgaag 249

<210> 15750
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962609H1
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 agtgggggttg attctgattt aacttctgaa gatgaagttg tccgtttggt gaactgctct 120

<400> 15756
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 acaatacaag tcaaagattc attagccctt aaatatgcag agttagtgtg tgctggcaga 180
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<210> 15758
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<210> 15759
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<223> Clone ID: 700962539H1

<400> 15759

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 gggtgacagc agagcctgag accaaagtgc tcagaattga acctgaacat gacttggtta 180
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 aatagtgtct t 251

<210> 15760
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962540H1

<400> 15760

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 ctgtggtgtt tgctcaagtt cctacgttct ttaccaagca agggattact atggagagaa 180
 caatatttcc tggctttgac ataccgctg cttctcttca aacgcttgtc actgtggcca 240
 ttgtcctgtt ca 252

<210> 15761
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<223> Clone ID: 700962541H1

<400> 15761

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 ggcagcgta agatgggtgc agtggattcg gatgatctct ggtttgcgta taacctgata 120
 gctcccgag actctgtcat ggccgttact gtcaggaagg ttctaagaga agctgctagt 180

<223> Clone ID: 700962552H1

<400> 15767

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ttttcaatca ctccccacct ttggaattca agggtttgag caaggaggag gaagactcat 180
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<210> 15768

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700962553H1

<400> 15768

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taatctgact ggtgataagc gtcaatttcg ggatcaaaag ttggagcgtg gtaacttggc 180
tctgaagaat tgttctgagc aatgtgtgcc tgtagagtc attcgtgggc atgaatcttc 240
aagcagttac a 251

<210> 15769

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700962554H1

<400> 15769

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aatttgatca gtcattatcc caagtgtttt ttcagacaca tgaatgctct aacactactt 120
gatttatcat ataattatga gttaacatct ttgccaaagt ctctgtctaa gttgaggtct 180
cttacttctt tagtgctcgg tcaatgttca aaattgaaag atatacctcc actgggagat 240
ctacaagcat t 251

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<223> Clone ID: 700962555H1

<400> 15770

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 ggcccggact cccacggggg gcagcagtg ggaatcttgg acaatgggag aaagccggat 180
 ccagcaatat cgcgtgagtg aagaagggca atgccgcttg taaagctctt tcgtcgagtg 240
 cgcgatca 248

<210> 15771
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<223> Clone ID: 700962556H1

<400> 15771

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 gttcttgtct ccccccaac 80

<210> 15772
 <211> 247
 <212> DNA
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<223> Clone ID: 700962557H1

<400> 15772

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 ctgggcctct gctattggag gcaaagtggg tgctgctggt actgttaatc ccagaagact 180
 cattgtggta gctgctgctg caccaaagaa gtcattggctc cctgggtgtta gaggtggtgg 240
 caatctc 247

<210> 15773
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<223> Clone ID: 700962558H1

<400> 15773

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 aacaacaaaa gcagtgaaaa atggcgagct cggaggagaa ggagagtggc gcgagcgagg 120
 aaactttctc tttggagctg cctgctccac cagggttgaa gaagcagttc atcccaaaga 180
 aagctggtac cccaaagaaa aatgagattg tgttcactgc accaacagga gaggagatca 240
 ataaca 246

<210> 15774
 <211> 244
 <212> DNA
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<223> Clone ID: 700962559H1

<400> 15774

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 agtaattctt ctcggattgc ttgaggtaga agagaacttt atttgtatgg taaatTTTTG 180
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<210> 15775
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962560H1

<400> 15775

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 gctgacatac cctctgatct gacaatgcct ttacttagat atcaaaagga atggtagcc 180

tgggctttga aacaggaaag ttctgcgagt aaaggtggaa tacttgacaga tgacatggga 240
atgggg 246

<210> 15776
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700962564H1

<400> 15776

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tactgttacc cagtgcctgt aaaggaattg cttttttcta caacgcgcac tcgcaatcgg 180
agtaggaaga agcgttttgg ttttgggtcaa aaaaggtttt gcgttggagc tgcaaattgca 240
aatcatga 248

<210> 15777
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700962565H1

<400> 15777

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ctctttgaag cattgtttct ttccactac aagtactgtc aaactttttc ttaatttggt 180
gatggagtat gttccagagt acatgtatag agtcttaaag cactagagca atgctaata 240
aagaatgcct a 251

<210> 15778
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700962566H1

<400> 15778

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tgaccactt gcattttttc taccacgaca tcttagaggg caagaacatc acggtggtga 180
aatcatcga gccatcagcg agcgaggttc gtgaagcaac tgggtttgga accactttca 240
tgatggac 248

<210> 15779
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700962569H1

<400> 15779

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tgtcctttcc atctcggtcg gtctcatcaa ttagcttttc cagaaattta aagcccaaag 180
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ccagtgtcg 249

<210> 15780
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700962573H1

<400> 15780

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gaaaagttaa ctcttaaaa gggttagaga taaataaaat tagcgagttg ccatctgcag 120
ttcaaaaggt gtgaaagcaa ataagatgca gcatagaaat ttgacttctg gaaggccttc 180
tggaactgat ggctccgatt actcctaccg tatggtagtc gattcaaggt atcaactggt 240
tgcaaaggg 249

<210> 15781
<211> 252

<212> DNA
<213> Glycine max

<223> Clone ID: 700962536H1

<400> 15781

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aaacaactgg ttgggctcct tgtatggctt cttctcagc ttgtagaaga gctacatatt 180
caacacaatc tgtatcgaca aatgagccag ttgtatctgt agattggctt tatgataacc 240
tgaaggagcc ag 252

<210> 15782
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700962574H1

<400> 15782

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aacaaggag acttccagaa ggcttttgac attattgtgt ctcttgatgt gtggaaattt 180
gtgagaaatc gagacaccgt acttgaaatg ctgaaggaca aaatcaagga ggaggcattg 240
aggac 245

<210> 15783
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700962502H1

<400> 15783

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cttctaggct tctttttcta cctcaatgtt aagttgattg tggctgagtg tgacattgaa 180
tgtaataat ctagccatat ttcttttctca gaccggctc aagtattcac ctgataacct 240

actatatgtgc agtatttttt aatttagat

269

<210> 15784
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700962503H1

<400> 15784

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ataaaaccca cacgtcaagt cacttctttt taactcaatt ttcgggtcccg tagctctata 180
ttttctcatt cgcagacaag aaaaatccaa gcctgtggat tagaaagggg ttcattttgc 240
tgattctcta gctatggct 259

<210> 15785
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700962505H1

<400> 15785

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ttcaaccacg ccatggaggg tcttcccaa ggtaaccgtc ccaacgttgg tgtctgtctc 180
atcaactccg atgatcagat ttttgtggct tctaggttga atgtcccagg agcatggcaa 240
atgcctcatg ggggaattg 259

<210> 15786
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700962507H1

<400> 15786

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aagatcacag aattggtgtg agagagatgg gttcgtccgt gaagctttca aggagggcct 120
 tggaaactga gatgcccggt atggttcaga tgcaggaatt gcaacgagga gctaagaatg 180
 ccctgtcttt ggcccagggg gtggtttact ggcagcctcc caagcaaacg ttggaaaaag 240
 tgaaagaacc tgt 253

<210> 15787
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962508H1

<400> 15787

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 acagaactat tatgttacac atgtatctaa gaataaaatt aaagaagtaa gtaaagtgtg 120
 gtatgtttta gttttagatg gtaagttgag ggcgtataat attctcgcta taagtataga 180
 gaagaagata tagccacttt attatctccc cggtatagag gcacatgaag gaaggg 236

<210> 15788
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962509H1

<400> 15788

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 ctttagcagc aacaccaaag cagaaaaaga aacaatccac gaccatgcaa acagaaagac 120
 ctacataatc cacatggacg agaccatgat gcccttaacc ttcaccgacc acctcagctg 180
 gttcgacgcc tccctcaaat cagcgtcccc ctccgaggag attctctaca cttacaaaca 240
 gttggggcat ggcttctccg 260

<210> 15789
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962510H1

<400> 15789

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 gtggatgtag ggaacaatga ctatcttccc acccttttca aggetgatta ccttccttat 180
 gggagggact ttgttaacca ccaacctact gggaggtttt gcaatggcaa attagctact 240
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<210> 15790

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700962511H1

<400> 15790

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 tggggtcgaa caaactgcaa cttcgacaac gcgggacgcg cgaagtgcct caccggcgac 180
 tgcgagggta ttctggagtg caacaaaaca ggtacacccc cgaacacggt cgttgatttc 240
 gcgttgaacc ag 252

<210> 15791

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700962513H1

<400> 15791

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 atcttcttca agtggaaatg ttggagaaag ggataatcat cttgatcatg aaattgcaca 180
 gctcacaaaa cttaggtcaa gtcctcatga gcttttgggt cgtgttggtc ctggtaagat 240
 gaggttacct gca 253

<210> 15792
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962515H1

<400> 15792

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 ttcacatctg aatctgtaaa cgagggtcac cccgacaagc tgtgcgacca gatctctgat 180
 gcagtgtctg atgctgtcct tgaacaggac cctgacagca aggttgcttg tgagacatgc 240
 accaagacca aca 253

<210> 15793
 <211> 254
 <212> DNA
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<223> Clone ID: 700962516H1

<400> 15793

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 tgcagttgca tttgttcggc cagttagtgt ggcctttcag gtggtgaatg ggttccattt 120
 ctacgagaat ggagttttca ctagtgcacac ttgtggtagc acttcccagg atgtgaacca 180
 tgccgttctt gctgttggat atggagttga aaatggtgtc ccatattggc tcataaaaaa 240
 ttcattggga gaaa 254

<210> 15794
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962517H1

<400> 15794

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 ttccttacat tattttcatcg gaaaaaacia aagatacgat cttatgatga ggggaagaac 180

aagacatgaa gaagatgagc aatctcgagc tttgtaccag ctctccgcgc tcgttctcaa 240
cctccttcgc tcgcctctgt g 261

<210> 15795
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700962518H1

<400> 15795

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cgccggttgt tgttacagac atggctgctg cctctgatga atgactacaa ctggctgcag 180
catggatgca ggtcatttga taggaaactt gtggaggaag gaattgggag gactattctc 240
accttgcttc ttgaggatca acaaagca 268

<210> 15796
<211> 206
<212> DNA
<213> Glycine max

<223> Clone ID: 700962519H1

<400> 15796

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taatctctca ctcttgttct tcggtctcct cctattctcc gctgccgtag ccaccgtcga 120
acgaatcgac gatgaagaca accttctgat gcgtcaagtg gtgccggacg cggaggaaca 180
acagctgctc aacgcggaag accaat 206

<210> 15797
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700962520H1

<400> 15797

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 tctctatcct cttctcatc tctgtctggc tcgccttcaa gcgctcttcc aaaaccaacc 180
 ctgtttccat ccccgacgtc tccaaagaga tccaagaaat caggctcgac accaacccca 240
 ctctccaacc cga 253

<210> 15798
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962521H1

<400> 15798

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 attttctggg tcagttctgt cgaattcctt ggtccaagac tttgcagctg aaccagcagc 180
 atggcgggtc agtcctccaa tgaaggctcc agtactggaa acatttcagc agaatgttcc 240
 gattcaactg ttc 253

<210> 15799
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962522H1

<400> 15799

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 acaaaatcca ctactgtcc tcaaagacag atccgaaagt ggatgccaaa tctatcaccc 180
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 ccaaattttc acactat 257

<210> 15800
 <211> 254
 <212> DNA
 <213> Glycine max

<210> 15803
 <211> 64
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962527H1

<400> 15803

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 gact 64

<210> 15804
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962530H1

<400> 15804

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 gtactgagct gagaagaggg agaagatgat catccccgtt cgttgtttta cctgtggaaa 180
 ggtaattgga aacaaatggg atacctatctt ggaccttctc caggcagatt acagtgaagg 240
 agatgcactg ga 252

<210> 15805
 <211> 252
 <212> DNA
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<223> Clone ID: 700962531H1

<400> 15805

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 atttgccctt agcagtaaca aaattgctgt ggtcaagtat tctctgttgg gttctattct 180
 ttcaaacctt cttctgggtc ttgggacctc tctattatgt ggtggcattg caaaccttaa 240
 agtggacaaa aa 252

aaaagtcggg tcaatccaat tccactccca acgcccgcga tctcttccgc tctgcttcaa 180
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 ggtctaccgg gttgattgac cc 262

<210> 15809
 <211> 243
 <212> DNA
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 <223> Clone ID: 700962463H1
 <400> 15809

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 tcacccta at gtaaatagtt cttccaattg cttggttaac acatcaaccc atgtttctga 180
 tacaaaacca tcaccacata agcttgggtt tgatttgcaa aatcctcctt cccctcctgc 240
 ttg 243

<210> 15810
 <211> 234
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962466H1
 <400> 15810

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 agattgaggt aatcggttcg agaaggaact ttatatgatg caaagtcttg ttgatggcta 180
 cagaaaagcc ttgaaagaaa cacggaaggc ttttgctgaa tatagagcac aatg 234

<210> 15811
 <211> 232
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962467H1
 <400> 15811

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 aaggtccaga tatgttggtg ctggaactgt gttcaacagg caggcattgt atggctatga 180
 tccaccagta tctgagaaaa ggccaaagat gacatgtgac tgttggccat ca 232

<210> 15812
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962470H1

<400> 15812

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 caccctgtac ttcacaaccc tggctctctt catctctaag acataagccg ctctgtctaa 180
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<210> 15813
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 <213> Glycine max

<223> Clone ID: 700962471H1

<400> 15813

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 aaaatttctc tgaagaccgt gttatcatta tcgttccctg agttagggtt tctgttcttc 180
 ctagggtggt tttattgtgt ccaataacaa gagggagggg aagagaaaca agca 234

<210> 15814
 <211> 231
 <212> DNA
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<223> Clone ID: 700962472H1

<400> 15814

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 ttgtggccat gcggagtcta agagtactgt gcttggttac ggagcgggtg gtcgcacagg 180
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<210> 15815
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962473H1

<400> 15815

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 gacactcatt gcggcggagt atgccggcgt ccaagttgac tttgccccaa attttgagat 180
 ggggtgtctcc aataaaaactc ctgaatttct caagatcaat cctattggca aggttc 236

<210> 15816
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962474H1

<400> 15816

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 atagggcata tccagccgct actaaggaag atgttgacct tgcggtggat gctgctaaaa 180
 gagccttttc ccataacaaa ggcaaagatt ggtcttcagc tcctggctct gtteg 235

<210> 15817
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962475H1

<400> 15817

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 tgatcatcaa tgtaattcaa tcaaatgctg atatagcaca taatatcagc taccaattcc 180
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<210> 15818
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 <212> DNA
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<223> Clone ID: 700962476H1

<400> 15818

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 aatttttata aactagctag agatgatggt tcaaaaggaa gatttgggtt tgagttaaag 180
 cctcaacttc cctcatcaca ataccccaaa tcctcaacat ccgagtctca tgtcatc 237

<210> 15819
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 <212> DNA
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<223> Clone ID: 700962477H1

<400> 15819

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 tcagtgggtg caaccatgca gaaaccttgc ccctgaagt ttactggaag tcgaagcttc 180
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<210> 15820
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962479H1

<400> 15820

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 ggaatcaaga aattcagatc tgctgcttac tccaactgcg ctcgcaaacc ttcttgatat 180
 ccatccagat tgatagttca ttgcatgcaa ccatagtttt attagggtttt ttcttctttg 240
 t 241

<210> 15821
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962480H1
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 cggccattaa caaatattga cagagttttt caaaaaggag cctaggcgga caatgaatgc 180
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<210> 15822
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962481H1
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 tgggtgctgt cttgagagtg ggtccgggca cgaaagtggg gtgaggggtg agaagctgga 180
 attggggctg tgtgggaaga gcaggcccg tttcttcaga ggggtggcga ctgt 234

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 <213> Glycine max
 <223> Clone ID: 700962482H1

002220-03200

<400> 15826

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taggcctcat aatagcagag aggaattatt catcacatca aaactatggg cactgatgc 180
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<210> 15827

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<223> Clone ID: 700962487H1

<400> 15827

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ttgttctagt tccaatatcc tcctccttga tacaacagct gctggacgca gcattggcga 180
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<210> 15828

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700962488H1

<400> 15828

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tctaattggcc gctgacatgg gaggttcgta tggatctacc ctgcggtaca agagtgttga 180
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<210> 15829

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700962489H1

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 caatttagag gatcattaaa gagttgggtga cgttaggagg ggctaataac cctgggggact 180
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<210> 15830
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962490H1

<400> 15830
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 gcaaaatccg aagtgaagca ttaggggaac cggaattaga aaaaagagaa acacttgaaa 180
 tcatcattgg tgggtggtgg ggtggtggtt accctgctcc ttctccttct ccac 235

<210> 15831
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962491H1

<400> 15831
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 ggctgttcag aacccccctgt tgaactgtct gagaatctga cactacttcc tcttcaattg 180
 atccttcagc ttctacctca cgtttctgat cacaagaaat tagttcattt cctgg 235

<210> 15832
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962462H1

<400> 15832

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 ttaagtagaa gtgcttacta tttggaagtc caaaccaaaa agacgactat ctgaaggatg 180
 cacaaaagta ctttggcaag tctaccgcat acattgaatc actgaaggcc atccgtggac 240
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<210> 15833

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700962493H1

<400> 15833

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 ttgtcttgct ttactcttta gcgctctgtt aatagccgcg tctgctgtaa ctgcagttgt 180
 cgtccgctct cgtattcaac aaaatacgag agcccatgag actaggctcg gaaa 234

<210> 15834

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700962494H1

<400> 15834

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 gaatagggtc cttcactctt tgtgttcgca ttgttattca tgtggtcggt tcacgcagac 180
 aatgctcctg ccccttcacc caagtcatca cctcgtcgc cgacggccaa accaccc 237

<210> 15835

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700962496H1

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 cgtatcgtcc ctccatggct tcaaagcgca tctcaagga gctcaaggac ttgcagaaaa 180
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<210> 15836

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700962424H1

<400> 15836

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 tctgatcaat caatccctct tctcttcggt ccattggctc cttgctccgc tctctccgcc 180
 gccgtgatgt cgcttcgcc tccctctccg cctatcgctc gttaacgggc agcaccaag 239

<210> 15837

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700962425H1

<400> 15837

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 tactccgccg ccgagatcag cggcggaatg cggcgccctcc gccgggatgc gccgtcggac 180
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<210> 15838

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700962426H1

<400> 15838

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accacttcg ccggaatggg aaagcccgga gaacaccacc ctctgccctc ctactccgcc 180
gccgaggatc agcggcggaa tgcggcgctt ccgcccggat gcgccgtcgg actccgat 238

<210> 15839

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700962427H1

<400> 15839

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actctcacac aaaaaatcat aaacacccca aagtagcagt acgtgttgca ctagtaacat 120
cttttttatg ggaatatatg cttttttttc ctgttgaata aaattaaaca agaagaggga 180
gcagatgcaa ttcagttacc ctgacagttt tcagatcacc acttcttttt ttggcttt 238

<210> 15840

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700962429H1

<400> 15840

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ctgattccct tgtcttttca tctaattgct tggctcttaa tggacgcgct ttaactttac 180
gcacggaaac tgataagggt caggtacttg taagagaaca tactgtaaaa ctaaaggaa 240
aaa 243

<210> 15841

<211> 242

<212> DNA
<213> Glycine max

<223> Clone ID: 700962430H1

<400> 15841

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gcattctgtg cctttccacg gaggccagtg gatgttccat tcggcagaaa ctacgttccc 120
acttgggctt ttgatcacat caaatacttc aatggagggt ctgagattca acttcatctt 180
gacaagtaca ctggtactgg cttccagtcc aaaggggtcat acttgtttgg tcacttcagc 240
at 242

<210> 15842
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700962432H1

<400> 15842

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gtgtcctatc tcataatgat ggaagtttgc cttctgaaag tcagtttagca gaatgggagt 180
atagaatatc tcagcattcg gctgttccac aaggaatttt ggatatcata cagtctatgc 240
ccc 243

<210> 15843
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 700962433H1

<400> 15843

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gttgacgtgg cgtacaggat ggcgttatgg caattaatca tgcgcctggg tttgtgttga 180
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<210> 15844
 <211> 229
 <212> DNA
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<223> Clone ID: 700962435H1

<400> 15844

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 cggcgtgaaa ctgccttcg aatccagagc ctctctcggt tcctcactct tctcacatcg 180
 agcgcaacgc caaaaaatcg aatttcacga tggaagagtt ggagcagtg 229

<210> 15845
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 <212> DNA
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<223> Clone ID: 700962436H1

<400> 15845

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 ttgtggctct tccatctcct tcaccattta tttccttaca taccttgggg atgtaagatc 180
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<210> 15846
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962437H1

<400> 15846

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 gtcggtgaac gaggacaccc tgacaagctc tgcgacaaaa tctccgatgc tgtcctcgac 180
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<210> 15850
 <211> 239
 <212> DNA
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<223> Clone ID: 700962444H1

<400> 15850

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 cccactgcgc cacatcttca gccgcatcaa ccagacggac ccacccatcg accctacctt 180
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<210> 15851
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<223> Clone ID: 700962445H1

<400> 15851

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 ttcccttctc tcattaagac aggcctgtct ttgtgcccc tgcccccatc atcccccaa 180
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<210> 15852
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 <212> DNA
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<223> Clone ID: 700962446H1

<400> 15852

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 cagtaacctt tccttcaca caacatag 88

<210> 15853
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 <212> DNA
 <213> Glycine max

002200-ETES60

<223> Clone ID: 700962447H1

<400> 15853

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cttgacctgt catggacaag ttttccggaa cggtcctgc gagtttcaag aacctgacga 180
aaatcttcaa cctgaacctc tccaacaacc tcctggtgga cccgttcccc gagatgaacg 240
tg 242

<210> 15854

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700962448H1

<400> 15854

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agagagccat ttactgattt tgccaggggtg gcacccattg gactcaatgg ggactagtcc 180
tatgagaagt tttgaaatca ttatgatgga atataatttt caatcagaag tttatagaaa 240

<210> 15855

<211> 101

<212> DNA

<213> Glycine max

<223> Clone ID: 700962451H1

<400> 15855

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ctggtagaaa cccaaattgc ccttgatcat tcatgttaat c 101

<210> 15856

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700962452H1

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ttggctaaaa aagggtctac cacagcgaaa tctgtggcat tccaagttcg agctgagaaa 180
tttgcaaata ggaagaggaa aaatcagtat aggggaatcc gtcaacgccc ttgggg 236

<210> 15863
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<212> DNA
<213> Glycine max

<223> Clone ID: 700962460H1

<400> 15863

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ccctttcttg tttcagctgt taccgacgtc aattgttact ccgattatct attcttattt 180
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<210> 15864
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<212> DNA
<213> Glycine max

<223> Clone ID: 700962461H1

<400> 15864

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gcagagacaa agaaagagtc acatgcatca ttgcagatgc ttttagtaacc tcttctctcc 180
tagtggctca gacctcaat gttccttga ttgcactttg gcttcccaat tcatgctcac 240

<210> 15865
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<212> DNA
<213> Glycine max

<223> Clone ID: 700962387H1

<400> 15865

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 cgccacagtg tcaaataccga gaacttcagg agtggtgccg tggtagcaaa gtatggtgac 180
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<210> 15866
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 <212> DNA
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<223> Clone ID: 700962388H1

<400> 15866

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<210> 15867
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962389H1

<400> 15867

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 tattaagggt agctattcag ttggaatgtg aagagttgga gagatctaaa ctgattagga 180
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<210> 15868
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<212> DNA
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 <223> Clone ID: 700962390H1
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<210> 15869
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962391H1
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 aaaagatgtt ccatggaggc caaggaaaat agggttggag caagcagcaa tcaaggtgaa 240
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<210> 15870
 <211> 251
 <212> DNA
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 <223> Clone ID: 700962392H1
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251

<210> 15871
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700962393H1

<400> 15871

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cagaagttat ctggacagtc ttatttggtg tctaggcttg cccctactca ctcaagaaac 180
tattccacaa ctggtagtta cctcaatgga ggcttgagc cttcgggttt gggtccagtc 240
atggcacatg ca 252

<210> 15872
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700962394H1

<400> 15872

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tggctcatgc atctcgcaat tcaaggagc aattaagggc ccatggcggg ttggatgtct 180
atttgaacct tcttgaggat gagctttggt ctgtgacagc actagactct attgctgttt 240
gtttagccca cgac 254

<210> 15873
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700962395H1

<400> 15873

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agcaatgcaa gtggagatgg agattgagaa ggagaggttg gtgtacatgt ggggttacct 120
 ttccggagct ctgcgcagag gacgccactg ttgacgccgg ttctcgtag gttccgccc 180
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<210> 15880
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962407H1

<400> 15880

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 cgatgatggc gcagcatgac atgcaatgat gtgacggtga acatggcaca gtgcctatcc 180
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<210> 15881
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962409H1

<400> 15881

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 tcctctcatt gtaacctag tttcgctgtg agagctgact ccaacgtcga aggcgtggt 180
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<210> 15882
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962412H1

<400> 15882

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 ccttcattgtt agaggttcca catcaccttt gttaccacag aatacaacca caaacgcctt 180
 ctcaaataca gaggttctga ttccctcaat agtgtcccat catttcaatt tgaaaccatc 240

<210> 15883
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962413H1

<400> 15883

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 cactgcatca agatctgaag aactgcagga aggcaatacc agagaagaca ggaaaagtca 180
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<210> 15884
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962414H1

<400> 15884

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 gtgatcggcg tgacggcatc gtgggcaaca gcctcgccga gatcctccct ctcgccgaca 180
 cccccgccgg tccatggaag gtctacggcg tcgcacgccg cccccgtccg ccgtggaacg 240
 c 241

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 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962415H1

<400> 15885

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gatcccgtag taatactagc cacattcatt tgttcagatt gatgccctag ggagggtttc 180
atctttcttct attcgtgtgc ctgcacctct tcttgagggt gacctccaa acatttctag 240
ctc 243

<210> 15886
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700962416H1

<400> 15886

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ttctgaaaac tccggaatgt ggatttacga catcttgcatt tttatgcatt tgctgggtcga 180
tctggtgttg aacgatggag cagaaaaaat gagaacattg aagtgcattc ttcagatgca 240
tc 242

<210> 15887
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700962417H1

<400> 15887

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gaagaagaag agagtttctt cgaagggtgtg gtgttattac tgcgatcgcg aattcgacga 180
cgagaagatc ttggtgcagc atcagaaagc caagcacttt aagtgccatg tctgccacaa 240

<210> 15888
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<212> DNA
<213> Glycine max

095413-03200

<223> Clone ID: 700962418H1

<400> 15888

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 gacgcagcaa atctcatctc gaccaatcga gaaggtggtg gttcaccctc tcgtgcttct 180
 cagcatcgtc gacaactaca acagagtcgc caaagacact cgcaagcgcg tcgtcggcgt 240
 cttg 244

<210> 15889

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700962421H1

<400> 15889

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 tacggaagtg agttgtgtac catgatgccc atttctgcat gctttttcat tctgtgtttt 180
 gccctgatg atagtgtttc tttctagatt atgtactgtt gtctgatgtg tgtttt 236

<210> 15890

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700962385H1

<400> 15890

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 tcagatcagt ggctcaagac gtgttgcccc tgttgactga tgcgtttgat ggcaatcttt 180
 tgagccttga gtgtgataac tttgctgaag tgcgcaaact ctatgaaggt ggagtcatac 240
 tagttgaaag ttttt 255

ctcatgaagc ggatccaga

259

<210> 15894
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962349H1

<400> 15894

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aaccggaaaa atcacacaca ccccttttgg aattgggatc catcgccata tcaactgatta 120

ggttagataa ggttccctat gagcaacttc attctcgagg ccttgaacgt ccgcgtggaa 180

agttccggcg ataagtacct gttcctggct cagggcttct gcacagacca atccgcgtgg 240

cagcgcgtgc tcccatact 259

<210> 15895
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962350H1

<400> 15895

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atttcagtgc atggagggag tgtagaagtg agatgctagt catacaaact atggatggac 180

agaacttaca aggtcagggg ttatctcaca gccttgaat ccacatgacc ctcaggagtt 240

caaatgcctt ctatccatga t 261

<210> 15896
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962352H1

<400> 15896

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atccttcctt cctttcttca ttcactggca cccttccgag tcaagcataa gatcaaaggg 120
 ataccctttc tgttccttgt ctccccctgc atgcgaacat gccagatttt caatctcttc 180
 caaatgttta ctccagcacg tgggtgtgtcc ttccgtcacc ctctcatca ttaaaaggtt 240
 gtagtccttc gatctgg 257

<210> 15897
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962353H1

<400> 15897

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 gttcaggact ttgatctcat ctccagagagg agaaggaacg agaagaggca agaggcgagg 180
 tagaggatcc tgaatagcgt ggtctcttcc gatgtgctcg attccatgat aggtgcagta 240
 ctct 244

<210> 15898
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 <212> DNA
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<223> Clone ID: 700962354H1

<400> 15898

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 tgatgattct gaatttctgt acttttgtgt tcttactcca tacattccat tgcgggtgggt 120
 gcccagaatc cgccgcttcg cgggtgtacc gcattttaca gcgaaatatg gcaccttttag 180
 aggaggctgc ttgccactct ccttcttat 209

<210> 15899
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962357H1

<400> 15899
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 atgcaggatt cgtgctccct gctgcaacga gatctactca tgccgtcact gtcataacga 180
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 acaagttggt tgt 253

<210> 15900
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962358H1

<400> 15900
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 ctcacagtca ctgcacttgt tctgatgaag aaactctcac tcttaccttc ggatttggac 120
 accaaatggt ccttcaccct ctctttgatg agtatgatgg gcttcttcgt cgcttccttc 180
 gtcctctgct ctgtgatttt ctactctcc attgttcttc gagaccctcc ctcatatgcc 240
 gccctgcacg aac 253

<210> 15901
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962360H1

<400> 15901
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 aaggtgtata agttgcagca ggttttaaca taggagattt atttccttct gctaaatggc 120
 ttcaacatgt tactggtttg aggtctaagc ttgagaagct gtttggacaa attgatcgga 180
 tactatgaga catcatcaat gaacacaaag aggcaaagtc ataatccaga gaaggcacgg 240

<210> 15902
 <211> 254

<212> DNA
<213> Glycine max

<223> Clone ID: 700962363H1

<400> 15902

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acacaccctg ttaccatgga aggtggtgta ccagaagctg atatgtctgc cttcagagaa 180
tgtttgtctc tatcatggaa gaatccttat gttcttcgcc ttgcttgctc tgctggaatt 240
ggaggccttc tctt 254

<210> 15903
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700962364H1

<400> 15903

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ttaaagggtg catgtgtggt tttgatgtgc atggctgtga tgagtgcacc aatgatggtg 120
caagccgtgt catgcaatga tgtttctgtg aacctagcac cgtgcctatc ttacctgatg 180
caggggtggag atgttccaga atcgtgctgt agcggagtga ggaacattct gggttctgcc 240
agcaccacct ttgacaaaca a 261

<210> 15904
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700962366H1

<400> 15904

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ccttgttgaa atgctgacag ctttgaaacc aagatttatc agatttccgg gcggttgttt 120
tgttgaagga gaatggttaa gaaatgcatt tcgatggaaa gcatctgttg gaccatggga 180
ggagagacct gggcactttg gtgatgtttg gatgtactgg actgatgatg gacttggcta 240

241

<400>	15908
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<400>	15909
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<400> 15910

7069

0953443-033200

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gttcgagaga tcgaaatttc ccattggggc aatgtacaga tcacagagca ttacgatatt 180
atccatgctg gttctcagag caaaggagaa ttttctaggc ttgactatca gaccaggcca 240
ttttaaga 249

<210> 15911
<211> 159
<212> DNA
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<223> Clone ID: 700962376H1

<400> 15911

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acagccaaat cctatttttc ttttttggtt tatcaaaca aacagagaaa aaaaagggtg 120
tgaattttgc agttgctgctg gtttctgttc cacacaaca 159

<210> 15912
<211> 256
<212> DNA
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<223> Clone ID: 700962379H1

<400> 15912

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ttcctccatc tggtcctctg ggcaagatta ctgctgttcc cgggcctcct cgtgacgctg 180
atgattcatt ttcaaaacct gtatctggtt ctgatgaacc ccagcagggt ggttggtttc 240
agactttttac aattgc 256

<210> 15913
<211> 259
<212> DNA
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<223> Clone ID: 700962380H1

<400> 15913

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 aacggcaaca acacctccgg aaccccgatc tccgccaccg ccaccgcaa ccccgcgag 120
 ctccgtcgtc gaaccttccc caactgacgg agtctctgaa gctggagcac cagttcctca 180
 gggtcctttt cgagtactac aagaaaaccc tccgtgcaa ccaccgccc gtcgagaagg 240
 agatgtccgc cgtcatctc 259

<210> 15914
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 <213> Glycine max

<223> Clone ID: 700962381H1

<400> 15914

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 cggctattct aagagtgtct cgctccctca ttcattgtccg atctgtacga tggaggacgg 180
 gtagttgcgt aactgccgtt agcccatcgc ttcgtcgtag gcgtagttct gtgccttctg 240
 aatgtggtag 250

<210> 15915
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962345H1

<400> 15915

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 tacttccctt tcttctgtta tcacagttgt tctttcaact tgcattggtg ggctccatag 120
 taaatctcct tcctggatta gagggacccc ttccttttgt tcttgaaacc gggatatgtg 180
 gagtgggtga atcagaggat gtgcaggcat tctactactt cattgagtca gagaacaatc 240
 caaaggagga tcctctc 257

<210> 15916
 <211> 260

<212> DNA
 <213> Glycine max

<223> Clone ID: 700962382H1

<400> 15916

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 gcttccagtg gcgtatttac gggtataccc ttcttgttat gatagcttcc aatcggcgtc 180
 agcacagagc cgaagctctt ggcttccaca catattttcg gtcttgtcga ttgagataca 240
 aagccgcaa gccagccgat 260

<210> 15917
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962384H1

<400> 15917

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 gagaacacaa cttacaaaga cgatctatat ttaaggaaga ggacaaggat gcgtcggtgg 180
 ctttgttcgt acttggtcag gttggaagga gtccttacc attcaatatg agaaat 236

<210> 15918
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962317H1

<400> 15918

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 attgcgttta gttgcgaagt gcctatgat gtgttaaata tactccgaga tttatttcta 180
 tgacatcaac ttcgttctga ggcactagct tatecttcc tattttcgat tggaagcaca 240
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[illegible]

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<210>	15920
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<212>	DNA
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<400>	15920
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<210>	15921
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<212>	DNA
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<400> 15921

7073

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 tgtgggataa actccctcgc aatgccatgg ggaaggtaaa taaaaaagag ctgaagaagc 240
 tgcttgtttc agaacagtga ac 262

<210> 15922
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962321H1
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 gagccactca cgtcgggggc gagcaaccgc ataattccgc ttcttaaagc cctcagagcc 180
 tccctcatct tcgtctacac cttcttcctt tccttcctcc tgtttattct ccctcgccgg 240

<210> 15923
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962322H1
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 cgtaagaaa tcggagtttg ctttaccagg ggaacgagaa ggtaaaattt ggatgtggca 180
 caggtgcctg aaatgtactc gcatacatgg ttttcctcgt gctacacgaa gagtacttat 240
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<210> 15924
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 <213> Glycine max
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 <400> 15924

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258

<210> 15930
<211> 260
<212> DNA
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<223> Clone ID: 700962329H1

<400> 15930

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agccttatca ttctgtaat atccaccact gttgcagatc agaagaacta ctacacccca 180
gatccacatg ctggaagtcc cccacaggc tcacacaata gtagtctcc atctcatggc 240
catgggagct ctccaccctc 260

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<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700962331H1

<400> 15931

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cacccaatgt atctgttccc gaattacaaa ataattgcaa tatgtttggt gcatcagccc 180
gtcagttggc taaagcctta gaagtaccat tggttaatga tttaggatac aaagagatac 240
gtgcgctgcc tacagatata a 261

<210> 15932
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700962332H1

<400> 15932

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002230"EFFE50

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 gaagcttatg atggtggccg ggagtgggaa cagtgagaaa ggggtgaact tgaaggttgg 180
 ggtgatcacc gagtggaagg atattcctgt ggagcttctg atgcaaattc tgtcccttgt 240
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<210> 15933
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<223> Clone ID: 700962333H1

<400> 15933

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 gaatgtgttg cttggttttt tactctttta agccatgtat aatggcaaaa catgtgggct 120
 ttttaacatg gtgaattctt gtggcttcaa agaaattttg gtattactgt ggaggggtggg 180
 tattgtatag tgcgttagaa agcatatttt caagtttttc tgtacagttt tggtagactg 240
 ggtcaatctt atgccttccc caattaa 267

<210> 15934
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962335H1

<400> 15934

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 gtgaagctct gggacaccat aggcttcggc ctgggcttgg acttcgatga ttacgatgg 180
 tactacgttg gtaacgcggc ggttcgacg agtccaccg cgtctccctc ggtggttgtc 240
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<210> 15935
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 <212> DNA
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<210> 15938
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 <223> Clone ID: 700962339H1
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 aagccaacct gagccgaatt actactctaa aagctgcccc caagacgcag cgatcataca 180
 ccggaacaag tcacactgac tatgtaacaa ccatggacac actgccgctt cgtcgggctg 240
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<210> 15939
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 <223> Clone ID: 700962340H1
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<210> 15940
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 <212> DNA
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 <223> Clone ID: 700962342H1
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 tccaacctcc gcagagccac ggctcgacag cca 153

<210> 15941
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<212> DNA
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<223> Clone ID: 700962314H1

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 ggaaagagaa tcggcatcat tggcgtctca gccttattgt tgggtggctat ggttgtggca 180
 atcacagttg gggatcaatct caatgagaat ggttccaaca atgatacaga gcacgacaag 240
 agaaatcatg taggt 255

<210> 15942
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 <212> DNA
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<223> Clone ID: 700962344H1

<400> 15942

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 cctcgttttc tccgaacaat ggctgctggg gtcactgtca agtccgaggt tctagaatct 120
 tctcctcctg aaggagtttg ttccaacacg gtggaaaacc acctggtcca gaccaatttg 180
 tctgatgggt cacccaacaa gtctgtgcca gcatctggac ttgatgcagt gattcctagt 240
 gcaaatcagc tta 253

<210> 15943
 <211> 274
 <212> DNA
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<223> Clone ID: 700962279H1

<400> 15943

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 gagacacccg ctcttctcct atctacctg taaagggtt cctcacttta tctcccctga 120
 cctactcact tctctccctt ccccgattc ccatctcctt caaatttctc cactccactt 180
 ttggaagga cttgcttcaa ccactacatc aaaattagga gggcttcacc aaatgcttgg 240

tttgcaccaa catggaatgg cggctgtagc cagg

274

<210> 15944
<211> 125
<212> DNA
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<223> Clone ID: 700962280H1

<400> 15944

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ataatggcaa gtccctcgga aaggaatgat cggatgcaat tgccattgtg tccaactcca 120
cacag 125

<210> 15945
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<212> DNA
<213> Glycine max

<223> Clone ID: 700962281H1

<400> 15945

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agtaactggt tctgccaatt gattgtcaac attaccagat ctgctatgca ctcacagttg 180
aactcagcaa tgatgttgca cggatctctg aaacgtaatt atgtatacat ggtcacccac 240
aatgggtggt cagacaagaa ttgagacaga tccagcag 278

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<223> Clone ID: 700962282H1

<400> 15946

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gccaaaatct caaagtgctg cagattacaa ggcagcaagt agagctctgg acttcttcct 120
tggttggtat tctgatccgg ttatctatgg tgactatccg gagagtatga aatcttcagt 180

aggttctagg ctcccaaat tcacaaaagc tgaatctgaa ggtctaaaaa attccacaga 240
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<210> 15947
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962283H1
 <400> 15947

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 cctcggcgcc ctcgactccg ccagaagag caccgggagc ggcggcaaga agcggggccc 180
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 <223> Clone ID: 700962284H1
 <400> 15948

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 tctggcttct ccgaccccc attaccggtc tttctatgcc gaaaggagtc cctggtggtt 180
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<210> 15949
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gcgctaaatt cgtacgtgct cctcgtagat cttcactccc accatcacgt gcccacctca 180
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<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700962286H1

<400> 15950

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gacactgggt caaggtaatc atggtgcaca agcgttcttt tgatgctgag gaaatacttg 180
aggggtcttt caaacaccca aaacatgcag gaccaagcac tgagcttttt tcattaccag 240
aatctgtttt ccccgatgat gattgcc 267

<210> 15951
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<212> DNA
<213> Glycine max

<223> Clone ID: 700962289H1

<400> 15951

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atgattttga aaacccaaag gagtctgaat ctctcgttt tcaagctata ttgcgcgtca 180
ctagtgcacc cagaaagagg tttccttcag atatcaaaag tttttccac gagctgaatt 240
cgaaagggtg ctggcctttt ccattttcg 269

<210> 15952
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<210>	15953
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<213>	Glycine max

<400>	15953
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<400> 15954

7085

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268

<210> 15955
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gtcagacaac atattgctga agaaagagaa aaacatataa aaacatttgg ggttgagaaa 180
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gatgaacagc tatttcacga ggttggtt 268

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<213> Glycine max

<223> Clone ID: 700962295H1

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cgtcttgccg gcc 133

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<223> Clone ID: 700962301H1

<400> 15957

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<212> DNA
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 <223> Clone ID: 700962310H1
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 agaagctagg cttaactttg agaggtcaca gagtacactg caggaggatc ttggacgagc 180
 acaacgagag ctccaaagtg caaatcagaa gatatcatct ctcaatgaca tgtataagcg 240
 gttacaggat tacataacaa g 261

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 atagcagtat atgctgactg gggcctttgca aagggtgaaag gaattgggtg gggttgggca 180
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 acccgttatg tattgag 257

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 <211> 116
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962312H1
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 attcaacaga agcgtttggc cttccacttt tctctttgga ttggttctt ctgctt 116

<210> 15966
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<212> DNA
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<223> Clone ID: 700962313H1

<400> 15966

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tgacttcttt aaggagtatc tgattgacaa cagccttgat gatcttattt caattctaaa 180
acgggggaaaa gtagaggagg atcttttggga cattttcccc cctacaaaaa gatccattga 240
agctttctct gagcatttca 260

<210> 15967
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<223> Clone ID: 700962278H1

<400> 15967

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gccgccacgg cttcctccct cacctgcacc acccaaaagc tcacggactc caagaacaac 180
ctctactcca actgcctgga cctgcccgcg ctcgattcct tctccactg gactcagac 240
cccaccaacg cctccctctc ggtggccttc gcggcg 276

<210> 15968
<211> 281
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<213> Glycine max

<223> Clone ID: 700962250H1

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tggtgtgtgg ctctctcctt ccagataggg attcaaggca gttgggtcga cccaattccg 180
agaatggtgg agggcaggac gccagaatc taagggtcaa gcttgttctc ttacgtgatt 240

ctggcggttg caaaagctgt attgttctac gatctgttcg c

281

<210> 15969
<211> 278
<212> DNA
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<223> Clone ID: 700962251H1

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ggcgaaaccg gtccttcat caaggattgg gttacttgga accaggtctt cctgcttggt 120
gacattatct gctgctgcgc catcattttc cctatttgtt ggtccatcag gtcgctcagg 180
gagacctcca agaccgacgg gaaggcagcc aggaacctgg ccaagttgac cctcttcagg 240
cagttctaca ttgttgatcat tgggtacttg tacttcac 278

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<213> Glycine max

<223> Clone ID: 700962252H1

<400> 15970

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tgcacaagct tgtgtctcta ttccttccaa tccttgaggt tctctgcaa ggggtttcag 120
tgcataataa ttcctgtaat gtgcaccagt aaagaccaa gtatgattat tgttacatct 180
atgctatatg attgtacttg tacacacata ttttgtccc cctttgtaaa tacaattggg 240
aactactag gattgggaag aagggtcttt acatttttag 280

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<223> Clone ID: 700962253H1

<400> 15971

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ccgcgctcgcc attcgatcca tcactctccc ccccgacggc ggctcggggc tcgccggcag 120
caaggcgcgc 130

<210> 15972
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<223> Clone ID: 700962254H1

<400> 15972

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atttgctagt catagttttg atgtttggga gaactggact ctagaagggt cttacagga 180
atgcagactg gtgaactgta gaaacccatc agctgttttg gatgtacgcg ttgagatttt 240
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<210> 15973
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<400> 15973

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ttcaagaggc ttttcaattt caaaaaggac aaagatgggt actggaaatg gtttgctggg 180
aatttagcat ctggtggggc tgctggggct tccctctctgt tgtttgctta ctctttggac 240
tatgcccga caggttttagc aaatgatgca aaggct 276

<210> 15974
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<223> Clone ID: 700962256H1

<400> 15974

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 ggccactgtc tatggctata tctactgttt caatccatgt ctttggatgat gtgccttctt 180
 caccacttgt tggggctcctg caggatcaca tcaacgactg gaggaaaaca gcactttgtt 240
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 ccttaaaacta gaacaatgaa caggggaatt gaagttcttt ctccagcctc atacctccga 180
 agttccaatt ggctgttcca agaaagcttg gggaccaggt ggactccaca ggagaacaag 240
 ctctttgaga atgctttggc tgtgtttgac aa 272

<210> 15976
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 <212> DNA
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 <223> Clone ID: 700962258H1
 <400> 15976

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 ctttctctct ccaaaatctc tctccctccc accgttattt agggtttggc agatctcgat 120
 ccgtcacaat ggacgttcgc aagcgcgga ggcgcgacgt caacctctaa cggcgcgctt 180
 aagaagacca agcaagaatt ggagtcctta tcaagtgggtg tacgaagcaa atcgaagcca 240
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<210> 15977
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<212> DNA
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 <223> Clone ID: 700962259H1
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 cagtcttcta gactctggtg tgtcaccctt taatggcttc acctatgata atctctatgg 180
 aacaaagggtt ggtggaacca ttttcgacag atttgccgc cgtcacacgg ctgctgaact 240
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 aggtttatgc tcctctgca tcaactattca tggctacgag tgtcaggaaac ttgaagttac 180
 taccatagat gggtagattc ttagccttca aaggatccct gaaggtagat ggaaggtag 240
 tggcctgtag actatgaaac agccagttag aatacagca 279

<210> 15979
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 <213> Glycine max
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 aaatttagcc actgtttcgt gtaaaatttt ctgcgaaaat ttaggttcat tcgtttttaa 180
 atgatatttg ctacgcaatt tgttatgtaa caaatgtga tttcattggg agtacatgca 240

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275

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aaacaatgtg ctaacatttg aagattacaa ggccaagata gctgacttta acctttctaa 240
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<212> DNA
<213> Glycine max

<223> Clone ID: 700962265H1

<400> 15981

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aaactagatt ttcaaacagg ggtgtgggaa tcaacatcta aacctgcacg agatcttggt 240
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<210> 15982
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<223> Clone ID: 700962266H1

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<223> Clone ID: 700962269H1

<400> 15985

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 ccgccaatgg tctccgattc tcacgaatct ccgtcccgtt tccggtcttc gtcaccgatc 180
 gaatactccg tttagctcct ccggtgtgag agcacagggt gctactctgg acgaagcaag 240
 aaccggagca actcagaaaag tggaagcgcc ggttgca 277

<210> 15986

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 700962271H1

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 tgagttgatc actcttatgg atcagatgga cctcaaagct gtcacctttg ttggtcattc 180
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<210> 15987

<211> 126

<212> DNA

<213> Glycine max

<223> Clone ID: 700962272H1

<400> 15987

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 tgtcat 126

<210> 15988

<211> 270

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273

<210> 15991
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<212> DNA
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<223> Clone ID: 700962218H1

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gaatgccaat agggagggtgc ttgtggttca ggagagcaat ggcagggtta gtggccaagg 240
aatctggaag ttgcctaccg gaggcgttga tgaaggtgaa gatatttgt 289

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<223> Clone ID: 700962219H1

<400> 15993

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 tgatgcaaag tttctctcac gtggcataat gaggttggat gctcgtgcac gtcaagatgt 240
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<210> 15994
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962220H1

<400> 15994

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 gccttgatcc ttcttacttg tgcaaaaccg ggaactaatg ttccattttg tgctactatg 180
 tttccccctt gtttgtttcc tggatgaagca ttctctctca aagccctcac ccatttacct 240
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 <212> DNA
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<223> Clone ID: 700962221H1

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 gtgtgaatca gatcttacag ggttcaaaca atatgcagtt gtggcttagg cttccattgg 240
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<223> Clone ID: 700962222H1

<400> 15996

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tcagccgtgg atgtaggga taatgactat ctccaccac ttttcaaggc tgattaccct 180
ccttatggga gggactttgc taaccaccaa cctactggga ggttttgcaa tggcaaatta 240
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<210> 15997

<211> 127

<212> DNA

<213> Glycine max

<223> Clone ID: 700962224H1

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attcact 127

<210> 15998

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700962225H1

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<210> 15999

<211> 281

<212> DNA

<213> Glycine max

[illegible]

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aagatacaaa caattttttgc agattgttga gaatgccttt caagaagcct catcacacct 120
cagacaagaa ctacataaca ggggacgacg gaggcaagtt cgagatacaa cctagaggac 180
tcaacattgt gtggggaaat gattctcgat actggaaaat tccagaacaa ggtcctgcgg 240
agctgatcca agtttcatgg ttggaggtat cggcggtggt a 281
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<213> Glycine max

<400> 16000

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ttaggtttgc	tagggactgg	aactttcttt	gtgattagtc	aagtcttgt	ccgcagagaa	180
cttgacctat	ctgccaaaga	gttgcaggag	caagtaagaa	gtggtgatgc	tggtgcaact	240
gagctttttg	aacttggtgc	agtgatgctg	cgcaggaaat	ttt		283

<213> Glycine max

<400> 16001

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atactagcta cttccaatgc ctttgatgct actaccaca atgtcggctc tcatttgccg 180
ggaaatttca tcgaaccatc atctgttoca ctgtttaaag agtttatgac gaagttcaga 240
tcatctttga gaagtcatag caatctttct ctgctcctta ttac 284

<210> 16002
<211> 284
<212> DNA
<213> Glycine max

<223> Clone ID: 700962230H1

<400> 16002

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tggtgtcggt cttcaaatac cgtaaaacct tcaagaatcc accacctcca ccaggctcta 120
gaggccttcc cataataggg aatcttcatc aactagatag tccttctctt catgagcagc 180
tatggcatct ctcaaagaaa tatgggtcctt tattttccct tcaatttgga ctaaggccag 240
ccatagttgt ttcctctcca aaactggcca aagaggtaat gaaa 284

<210> 16003
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 700962232H1

<400> 16003

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ggggattgga atatttacat gagaaagttc aaccgccgat tatacacaga gatatccgat 180
caaataatgt gctaataattt gaagatcaca aggccaagat agctgacttt aacctttcta 240
atcaggcccc tgacatgggt gcacgtcttc attcaac 277

<210> 16004
<211> 289
<212> DNA
<213> Glycine max

<223> Clone ID: 700962233H1

<400> 16004

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aacgataaag atgggtccat tgatgaggaa aggtcatcac caattgcaca tgctgttaag 120

<400> 16007
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 cttcaacagg taaatgattg ctgtttgttt gagagagaaa aagaaatgtg ttcagtgagc 120
 tgttagtgtt atgctgctta aagtgtcatt atcctgcaaa acagagattg ttgtgtttga 180
 agtgtggtag ttgattgtct atgagtggaa atgtggaatg cgtacgtttt gcgtgttata 240
 ttgatgttca ttggctgcaa agtttgattt catctggtta tg 282

<210> 16008
 <211> 277
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962238H1

<400> 16008
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 gttaagtcta agacagagga ttctgtgaaa tgtgaagttg ttgatggagg agagctcaag 120
 tcaaggagac atttgaatgt tagaggaaaa agtgcaacac ttccttccat cactgagaag 180
 gattgggatg acatcaaatt tggagtggat aacaaagttg acttctatgc tgtttctttt 240
 gttaaagatg cacaagtagt tcatgaactg aagaatt 277

<210> 16009
 <211> 281
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962239H1

<400> 16009
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 gcggcggcac ggctgcggag gttattaaca aaatggagta catgcaccgg atggcacctc 120
 cttcgttctg gtacgacgga ggacactttc ccggtcaaac aagttacgct atggaggttc 180
 atccagggta tgggtgctagt gctaacaatc attacgtgga gccacggtac gtgaaccagg 240
 gttatcctct gcagccacct ctaccgtact acatgcaccc g 281

<210> 16010
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962243H1

<400> 16010

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 cagcttgcaa tagcagtgat ttccgaacac ctaaacctgc ttgacatggt aactgcaggt 120
 tcattgttgg aattgaaggg aattctcatt cggaacttgg gatttttatt agacatggca 180
 acatttttta tggcacttgg ccattacttg tacatatggc ggcttcatgg catggctttc 240
 catctaatag atgcattgct acttctaaat acaagtgc 278

<210> 16011
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962244H1

<400> 16011

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 gtctggcggt ttccatattt ccgttcattg gagattgagt ttacaaagtc acaggtcggt 180
 gctggaatcc ctgggacatt tttttgtgcc tgggatgctt tgcagaagca ttggctagca 240
 aataatatat tgggtcttgc tttctgtact cagggaat 278

<210> 16012
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962245H1

<400> 16012

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 gttgttgcag ttggcggctg gggtcagtct ctgtggaggt ttgggtgttt catgaggcag 180

agcttattct cattttgctc caatggagat gcaggaccaa atagaaagca caagatcaac 240
cacatttggc tcagctagta acatccattc caatgctga 279

<210> 16013
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 700962246H1

<400> 16013

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agtactgcta tctcagcctt cccatctctc ctttcttctt caaaatccag atttgccacc 120
gcagttcctc tttctagctt tgggtgtcacc aatgcctctt cttctcgctt tcctatgagt 180
gctgactgga tgccaggcca ccctagacgt ccttaccttg atgggttcagc acctgggtgac 240
tttggattcg accctcttcg tcttgggtgaa gtacaagaga 280

<210> 16014
<211> 148
<212> DNA
<213> Glycine max

<223> Clone ID: 700962247H1

<400> 16014

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aaagtgattc gccacttccc tcaaacaaag cctatagttg ctgatgccaa aaaaaacaaa 120
cctgagctct ctgatgatat attggatg 148

<210> 16015
<211> 292
<212> DNA
<213> Glycine max

<223> Clone ID: 700962217H1

<400> 16015

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gaggtttgaa ccaacaaaag atgggggatat gtgatgcagt tgctgttgca aagacactga 120

atgctactct ggtgatccca taccttgaac tgaatcctgt atggcgagat tcaagctcct 180
 tcatggatat acttgatgtg gatcatttca ttgatgtatt gaaggatgat atttctacag 240
 ttaaagagtt gccc aaagag ttcgcctgga gcacaaggga gtattatggc tt 292

<210> 16016
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962182H1

<400> 16016

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 cgggtgccacg tgtcaccctg aggaagaagc gggcctgttg ggcttcaa at ccggtatccg 180
 atccgacccg tccggcctgc tcagtaactg gatatcgggt acggactgct gcacatggac 240
 cggagtag 248

<210> 16017
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962183H1

<400> 16017

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 cagccaagtc acagattaaa ataaaagctg atgaccaaag ttcaccccag gcattctcta 180
 ctttattcca atcagccttg tccaaatttg gtttaccttg aatctttatg gtgtcttcag 240
 agctta 246

<210> 16018
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962185H1

<400> 16018
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 ccgccaccac atcctcacca gactctcccc ttaccgccgt cacttctccc actccgccgc 120
 cgccgtcctc cgccccccgg agccggagcc cctcacctac ctcgacgggt tccctcgccc 180
 cgatcccaag cagcagcaga ccatactcgc cgccccccgc gccgactccg gcaagaacat 240
 ctccg 245

<210> 16019
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962186H1

<400> 16019
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 tgatggagac gacgttgaag cgaaacgctg tcgttgccgc aatcgccggc ttgttggtgg 120
 tgggtgctact cgccggcaggt gtgggtgggtg aggtcagga gaactcggac gtgaagacgc 180
 tgggtgaagca catgcacggg aagaagtact gcgacaaagg atgggaatgt aagggtggt 240
 c 241

<210> 16020
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962188H1

<400> 16020
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 ctctccattc cttaaatttt agctacgagc tagttccgac acagacaaag cactggcaaa 120
 gaccgagtta gaggtgactg ttgagagcaa gaacaaagac ctcaagcacc tggggtttgt 180
 gaggattgct gctattcaaa catttgatgat tgtgtcaaat ctgtatgagt acgcaaagca 240
 gaattct 247

tga

243

<210> 16024
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962195H1

<400> 16024

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 gagaaatgat atggttgagt acttcggtga gcaattgtca ggctttgcct tcaactgttaa 120
 tgggtgggtg caatcctatg gttcccgttg tgtgaagcca ccaatcatct atggtgatgt 180
 gagccgcccc aagccaatga ctgtcttctg gtcattctctg gctcagagct ttaccaagcg 240
 cccaatga 248

<210> 16025
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962196H1

<400> 16025

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 tatatataga taaacagttt aatttatata cactttgatc ctacaaagca tcttgacaca 120
 agcattcaat aggatttcac cactttatcg caacatttta acatgatgcg gtaataaagt 180
 aaattcttgt tgaatatttg gataacgatg ttatatactc atagtttgtg tgtataaatt 240
 aaacttatat tt 252

<210> 16026
 <211> 146
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962201H1

<400> 16026

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gtaagattca tgacaagggt gctgtcgtgt acacagcaag aactttcagc ctatcaaggt 60
 tgtctggagg attgaacccc tgaaatagat gggaatgtta ccctctctgt ttctattatt 120
 tatatttatt tatctacatg ttccttacia gaataatcag tcatgttgag gtgtatgtta 180
 tatttttttc ccactgaaca caaacttggt tatgcgaata tt 222

<210> 16033
 <211> 287
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962209H1

<400> 16033

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 tcactctcag gacatcctgt attaacagtg aaaagtgcac ctgaagagac agaatgcaag 120
 gacccggggg tggcagggat cgtttctttg attttggcga tccttttggt ggttttggag 180
 gctttggttc ctttggacct cccaggagtt taatctcaag cttttttggg ggtacggacc 240
 catttaatga tcctttcttc gcccgacctt ttggagggat gtttgag 287

<210> 16034
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962210H1

<400> 16034

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 aagctccagc agcgccggtc cttcttcgtc caccaagaag ccgaagcggt tcgagatcaa 120
 gaagtggaat gcggtttccc tctgggcttg ggacattgtc gtggacaatt gcgctatttg 180
 acggaacat atcatggatc tctgtactga gtgccaggcc aacaaggcta gcgccactag 240
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<210> 16035
 <211> 285
 <212> DNA
 <213> Glycine max

[illegible]

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caggcgccctc	ttcagcaagt	cagtggccta	caatcgtgtt	tgagtccctt	tcatgattaa	120
cgttatgggtt	tccttcatta	gcaacaggat	taggtttatt	acatatgcgt	tctctattca	180
acagtacgat	tacaatccct	tggtgaacac	tttttttctt	ttcaagagag	actccacttg	240
tatgttgata	cccaacaaga	tatttaaatt	ccttacaact	tgaat		285

<223> Clone ID: 700962212H1

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ttcaagggtat	agatgccctc	ataatcctca	caagtgcagt	tccacagata	aagcctgggt	180
ttgatccaac	caaaggacaa	agaccagagt	tctatatttga	ggatggggca	tatcctgaac	240
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<223> Clone ID: 700962213H1

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ccctcaggat	agctggagcc	cgcgggcgag	ttctatcggg	taaagccaat	gattagaggc	120
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gctctgttga	gccgcgccat	ggaatcgaga	gctccaagtg	ggccactttt	ggtaagcaga	240
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<210> 16038
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<212> DNA
<213> Glycine max

<223> Clone ID: 700962214H1

<400> 16038

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gtgcagtgag aaagagattg ctcaattctt gtgtgggttt gttttgttct ttgtgttgga 180
atgtgttcat ggggtgaagaa ggagaagagg tgtcaagaga gaaggaacaa tacatgggag 240
tttatggaaa tgagtgggtt tattgtgggt gctctgcaaa ttggcg 286

<210> 16039
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 700962216H1

<400> 16039

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aggtgtctgg agttgaaata tcaccagacc ctgtggagag tggcaagcct gctaccttta 240
agatctcggc tacttctagt aaagctatct atggtggaga ag 282

<210> 16040
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700962181H1

<400> 16040

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ctctccattc cttaaatttt agctacgagc tagttccgac acagacaaaag caatggcaaa 120

gaccgagtta gaggtgactg ttgagagcaa gaacaaagac ctcaagcacc tggggtttgt 180
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 gaattctggg 250

<210> 16041
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962144H1
 <400> 16041

acaggccccg tgtccctaac atggtcacgc tccattgttg gacgctccct ccacattcag 60
 ctccacaaaa accccttaga ttccccaccc tacctaacc ctaaccctaa ccctaacccc 120
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 cacggttcca aaaaactcgc cccaacacc cacctcttct ggaacctctc cagagccaaa 240
 ttcggcgcc 249

<210> 16042
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962145H1
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 ctccagcacc tacaagcaac cagcaccaca actctggtgg tggaagcacc acccctcag 180
 atactgccac tggcagcagc tcaattgacg agggaagaaa atctggtaga ggcagtggcg 240
 ccatagccgg a 251

<210> 16043
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962147H1

<210> 16046
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962150H1

<400> 16046

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 aattttggta gcatggcaat gccatgcgta cgatatgttc cctctccgaa tgaacactgg 120
 ctatggtgcc cgtactccgg aggtgaaatg cgcaagttgg aggcttgctg tggaagcaca 180
 caacatcttt ggctttgaga ccattcctga agagtgcgtt gaagcaacaa aggaatacat 240
 ccatggcgaa ca 252

<210> 16047
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962152H1

<400> 16047

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 actcgtgtct tgcgagcggg aaacggcggc tttagcaatc actccctcgt cgttttcccc 180
 cgttttctct cccttttccc cgttttgcgt tttggattca tttctctcta tcttctgctg 240
 atttat 246

<210> 16048
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962154H1

<400> 16048

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 tctcagatcc atttttatct tacaacttt tgggtcctct ccccatgtgt cctaccacac 180

ctgctccaca ttactgaaat tctttattct catcataatt cccatcaaaa aatcttttct 240
tgcaatc 247

<210> 16049
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700962155H1

<400> 16049

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atagagatac aaaaatgccca aaagtaaaga caaatcgtgt taaataccca gagggctggg 180
aattaattga gcctacactc cgtgaacttc aagcaaagat gagggaagct gagaatgatc 240
cgcatgatgg 250

<210> 16050
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700962157H1

<400> 16050

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ccccgttggt cagtatcacc ctttctgctt ctgtgggggtg aaaagcagca ggggcatggt 180
gaggaagccg ggtcccaagc aagggagcct cttcttttga tgtggaaatt ggactgcgac 240
tagaggtg 248

<210> 16051
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700962158H1

<400> 16051

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 catccaagga agaacatcaa ctattgagta atatacgggtt atggagaact tatgtaatat 120
 agattaaccc acaatagcac atttattgga atttaaccag ttcagcacca gcaacttaac 180
 aaaagaaaaa tatggaaaga tagccgagta tgtaattcca actcaaaaca aacaactggg 240

<210> 16052
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962159H1

<400> 16052

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 agctctacga atacggcgag cagctcaaca atgccaagga caagtcgcag aatgtgcagg 120
 attaccaggg aatcatagat gcggcgaaga cgagtgtgaa ggcgaaacagc tcgccgcgca 180
 ctgattccca agttcttcaa gttcttccct gacctctcga gccctgctct cgacacgcac 240
 cttgatttg 249

<210> 16053
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962160H1

<400> 16053

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 ggttttattc aaggtgacct gaccttttgt tgatgaatga cccttttgaa attcacggct 180
 aataggttgt tgcctttttt tttttttttt ttcttggaa caaatatttt cagggcttta 240
 tacaactg 248

<210> 16054
 <211> 69
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962162H1

<400> 16054

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accatggct 69

<210> 16055

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700962163H1

<400> 16055

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ctggctcgct tgggtggcggc acgaggccag cacgtgacca tcataccac ccccgccaac 180

gctcaactct tcgaccagaa catcgacaag gacaccgct ccggccacca catccgcgtc 240

cacatcatca agt 253

<210> 16056

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700962164H1

<400> 16056

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tacaaacttc ggctacccta atttgaagga aatccatctg tatggttttc ctttgaaggt 120

tgttggggac attaactctt ttgactctac ttcagagcta actgtgaatc aaagtttcga 180

ttactacact aaaaatgaca gcagtaagga gtacaatggc ccctatgact taactatcaa 240

agtttctgaa a 251

<210> 16057

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700962165H1

<400> 16057

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gtgtgttttta ttttcaggtc aaatttttaa atccaaattc caaaataaaa tgtatttttg 120
ataaaataag gttgggttag ttttctttat ctgatgttaa aagacttttc ttctgatttt 180
aagaataata aaaaatggta ttctcattct taaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
ggggggggccc cc 252

<210> 16058

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700962169H1

<400> 16058

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ccaccttcgc ttccttcaat cccctccttc ctttgccaag ctgagttttc ttggctccaa 120
gtcgtcgaag aaggggttca cagtcttctc ccgctatgcg caagcacgtg caccttttct 180
cctcgcgtag attccaagat agcatggaga agctgccgaa cctgggtggag gacattgtgc 240
agacat 246

<210> 16059

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700962170H1

<400> 16059

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tagagagggga aaggatgaag atcacggcgt tgttggtgct taaatgcacg ggcgagggat 120
ccgatccggt gattctggca aacgcttccg atgtcagcca cttcggctac ttccagcggt 180
ccagcggttaa ggaattcatc gttttcggtg gtcgtacagt cgccagtcgc actcctcagg 240
gccaacg 247

<210> 16060
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700962171H1

<400> 16060

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ctctcaagat ctgtctgggg agtggagctt gatttgatta ttgatattaa ggaataaaat 120
ctcattcaac aactaaaca atacggattt tgcaaagct aaattttgga aggtccagaa 180
gtcagtcaag ggcagccaga gctacaacaa tgggagggcat ggattatgca gaaaaaaaaag 240
aagggc 246

<210> 16061
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700962173H1

<400> 16061

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aaaaatggca tctcacatcg ttggataccc ccgtatgggt cccaagagag agctcaagtt 120
cgctctcgag tctttctggg atggcaagag cagcgccgag gatttgcaga aggtgtcttc 180
tgatctcagg gcatccatct ggaagcagat ggctgatgct gggatcaagt acatccccag 240
caaca 245

<210> 16062
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700962174H1

<400> 16062

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atcacctcat cgaaactact aacaccttca caatcggttca ccagccctac agaaccaga 120

tctcgggttc caatcgtcga gccatgtcca aggcacgcgt ctacaccgat gtcaatgttc 180
 ttcccccaa agagtactgg gattacgagt cccctaccgt tcaatggggg gatcaagatg 240
 attat 245

<210> 16063
 <211> 239
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962175H1
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 ccttggtgaa atgctgacag ctttgaaacc aagatttatc agatttccgg gcggttggtt 120
 tgttgaagga gaatggtaa gaaatgcatt tcgatggaaa gcatctgttg gaccatggga 180
 ggagagacct gggcactttg gtgatgtttg gatgtactgg actgatgatg gacttggct 239

<210> 16064
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962143H1
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 ataaaagatt gtgacaaggc tggtgaaaga ggaagagaac taagatcaga ttttaagatg 120
 atagcaagag ctttgacaag gaaaggaaat gccttggtga aaatggcgaa gtgctcgaag 180
 gattacgagt ctgccattga gacttatcag aaagcactca ctgagcaccg caaccctgac 240
 actttgaaga a 251

<210> 16065
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962176H1
 <400> 16065

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 cttggacaac aatgagaaca aacctgtcac taacagtagg gatacacaag aggttatgtt 120
 ggagcctggg ctgaaattaa ttaaaatfff caaggaatat accagcaaga catgcatttt 180
 ggatgatttt ggcttctatg aggctcgtca gaaaactatt ttggagaaga aagcaaagca 240
 ac 242

<210> 16066
 <211> 134
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962177H1
 <400> 16066

gtatcactcc aagttatagg tcacattgtc acaatgtggc caccaattgt tcttctgttg 60
 tgccttattc ctctgtgtt cttgctattc ttcttccaat accgtagaac cttcaagaac 120
 tcaaaccttc caca 134

<210> 16067
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962178H1
 <400> 16067

caccttattt atctcaaaga tttctccttt ctctcctttt ttctctcttt gcccttctgg 60
 gtgtttttga aacgtgctta aaccgtgatg ggtgctgttg tggagtgcta cccgccgcct 120
 cgcacggcgg tgctgtccct caacacgctg ccgttagggc tccgtttccg tcccaccgat 180
 gaggagctta ttgactacta cctgcgctcg aagatcaacg gaaatagtga cgatgtttgg 240
 gttatt 246

<210> 16068
 <211> 254
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962109H1

<400> 16068

gtgggatccc gaggatttgc ctgggcaatc tatattgaaa acgggagata ggcaatgggtt 60
 ctttttctgt cacagagata ggaaatatcc taatgggtgga aggtctaacc gagcaaccag 120
 acgtgggtat tggaaagcaa caggaaagga tcgtaacgtg atatgcaatt ctaggtcagt 180
 tggagtgaaa aagaccctgg ttttctacgc aggcagagct cccagtgggtg agcggactga 240
 ttgggttatg catg 254

<210> 16069

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700962110H1

<400> 16069

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 aaaaatttat atggtacttg agtacgtgaa tggaggggag ttatttgaca taattgcatc 180
 caaaggtaaa cacatcgaag gtgaaggtag aaagctgttc caacagttaa ttgatggggt 240
 gagctactgc ca 252

<210> 16070

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700962111H1

<400> 16070

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 tcacagattc cttgcaagtt gattgagaaa gacttgcaca aaggatatgaa tgcattaaga 120
 gtactgtgca ggtttctggc tcttaaagga gctgataact gtgtattata taggcagcaa 180
 aggtaatcat gatgtggaac agcctgctgg ctctctaaag tcatattttt cagtacgttt 240
 tgtcacatcc aagtg 255

<210> 16071
 <211> 254
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700962112H1

 <400> 16071

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 atcttcccggt ggtgcttcac ggagtatcct gcacatttcc tggagggaag aagattggaa 120
 tagttggtcg tactggcagt ggcaaatac ccttgattca agcattattt cgattggttg 180
 aaccggaggc agggagtatc cttatagaca acattaatat ttcattcaatt ggtcttcatg 240
 atcttagaag tcat 254

<210> 16072
 <211> 251
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700962113H1

 <400> 16072

 aggctacttt ggctccttta attggatcct ctattcagtc agctactggg gtagtgtata 60
 atattactgg aggaaaggac ataaccctgc aggaagtga cagggtttct caggttgtga 120
 ctagtttggc tgatccttct gctaataatta tatttggggc tgcgttgat gatcgctaca 180
 ctggggagat tcacgtgact atcattgcaa ctggcttctc acagtctttt cagaagaagt 240
 tgctaacaga t 251

<210> 16073
 <211> 254
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700962114H1

 <400> 16073

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 atcaagggtg gatttcccag tggaaaatac ctctttgctg gagtgggtga tggaaggaac 120
 atctgggcca atgaccttgc tgcttctctc actacattgc aggtcttga gggcattgtg 180

ggcaaagata agcttggtgt gtccacctcc tctcccttc ttcacactgc tgttgatctt 240
gttaacgaga ccaa 254

<210> 16074
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700962115H1

<400> 16074

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ggataccccc gcatgggtcc caagagagag ctcaagttcg ctctcgagtc tttctgggat 120
ggcaagagca gcgccgagga tttgcagaag gtggctgctg atctcaggtc atccatctgg 180
aagcagatgg ctggtgctgg gatcaagtac atccccagca acactttctc gttctatgac 240
cagctgctcg acgcca 256

<210> 16075
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700962117H1

<400> 16075

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cagcaatagg acttgtttcg tcgttaggga taaactacgg ccaaatagcg aacaatcttc 120
cttcacaaga cgacgccgtt gcgttggtga aatccatcgg agcgacgaag gtgaagctct 180
acgacgcaga tccacgcgtt ttgaaagcgt tcgcgaacac cggagtggaa ttaatggtag 240
gtctgggaac gagtactt 258

<210> 16076
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700962118H1

<400> 16076

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251

<210> 16082
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700962128H1

<400> 16082

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agatgaaggt aaaagttggt ttgggttcat cagaccctga ttcagggaaa ggaaagagca 120
agatgtcaaa gaacataact catggctttc atttggtgaa aggaaaatca tatcatgaca 180
tggaggatta cgttgtggct caatttaggc aaatagataa caatgaattg ggtttgtttg 240
caatatttga cgg 253

<210> 16083
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700962130H1

<400> 16083

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cgctcaaatt ctaccctcct caaattggga aggtgggtgat ttccaaagcc tttaaacgt 120
tgcttttgat caagggcgaa cagcatcttt tccccctcag ccatttacag gtctagttga 180
agctagcaat ctaaaaatgg agatgtaaac cagataatcc attattacaa tatgttggat 240
taggtcactc ggaa 254

<210> 16084
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700962131H1

<400> 16084

cacgggccaa gtttcccatc tctaaatcca aaacctgcct cttaagaaaa agcagagaaa 60

<210> 16090
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700962140H1

<400> 16090

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ttccaatatg gtgtttcctc tcctatctat ctttgcttta ctcaatcttg cagtgggtggc 120
aaccatgca gaaaccttgc cccctgaagt ttactggaag tcgaagcttc ccaccactcc 180
aatgccgaaa gccattacag atatccttca cccagatttg gcagaagaca aaagcacctc 240
tgtg 244

<210> 16091
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700962106H1

<400> 16091

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tgagtttttt ttggggcttc tttcaatggt tctacactgc tactgaccag tgtggatttc 120
aagccttccc ttcattgggg cttaaagcat atgaaaacaa gttctttttt gattttgctg 180
caatctatgt tggagttgga atgatatgcc catatatcat aaatatatca gtgcttcttg 240
gaggaattat ttct 254

<210> 16092
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700962141H1

<400> 16092

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ctggtaaga aggtcctaca attacaagaa caaaaagaaa aactcagcat ggagggtcaa 120

<400> 16095
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 gggactgaat attcaagaag ctcatgcatt ttccactact gatggatttt ctctggatgt 120
 gtttgttgtt gagggatggc ctaatgagga aactgaggag ctgaaaagtg tgttggaaaa 180
 ggaaattaac gaggttgagg agcgaaatat gtcaaatacag ggt 223

<210> 16096
 <211> 238
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962054H1

<400> 16096
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 gcagaagttg ctgtggagtc agatcatcag ggagttcata atccagtttc actgaatagc 120
 atctcacaaa atcaaacct tctccaact ccccatctc taagtcttg gtcaacatca 180
 cgtccgttgg acatgcgtaa ttcccatgtg gacattgatt taatgcgtgg gtgacaca 238

<210> 16097
 <211> 238
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962055H1

<400> 16097
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 atataccttc gaacaaaggc ttggagaatc gcgggatatt gtggccatgt accccgatcg 120
 agtccccgtg attgtggaaa gatatgcgaa atgcgatctg cctgagttgg agaagaaaaa 180
 ataccttggt cctcgagact tgtctgttgg gcatttcatt catattttga gttccaga 238

<210> 16098
 <211> 237
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962056H1

<400> 16098

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cgtgcggcac gccggcctat gtcgcgcccg aggtgattgg gaaaagaggc tacgacggcg 120
ccaaggccga tatttgggtct tgtggcgtaa tcctctacgt acttcttgct ggattttttac 180
ccttccagga tgacaacctg gtggccttgt acaagaaaat ttaccgcggt gacttca 237

<210> 16099

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700962059H1

<400> 16099

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ccacaacaga tagcagcacg cgttcagggg ttatcgccca acggcaacaa cctccaaact 120
gaaacctttc gtagagaaat aataatggaa atatgttacc atgccacat cgatcgcgag 180
attgaatcgc tcctagaaaag aatacatcct cccagggctc gtatcgataa 230

<210> 16100

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700962065H1

<400> 16100

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aaaaatcgat ctgatttttt tcgtactttt cgctcaatga tgacatgggt cagattctac 120
aggaccaaac caagtgggag ttccggcggt atggtagcct cgccctgaag cgccgtaa 180
aaaaatgcag tagccgagtc ctgattccaa acgagaaaat tcaaacttga ttgaaaagga 240
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<210> 16101

<211> 163

<212> DNA

<213> Glycine max

[illegible]

<210>	16102
<211>	241
<212>	DNA
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gccagtgtct	tggtgggaag	attgtgatat	tttggcagga	agggacgaaa	tagcaatggg	180
aacatggttg	gcttgttcca	cacaaggaag	ggtggctttt	ctcaccaatg	ttttggagct	240
t						241

<210>	16103
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<212>	DNA
<213>	Glycine max

[illegible]

7139

[illegible]

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<210>	16105
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<400>	16105
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<210>	16106
<211>	231
<212>	DNA
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<400>	16106
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<210>	16107
<211>	226

<210> 16113
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962085H1

<400> 16113

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 aagaactttg atgatgatga tgatgatgat gatgatgtgg agatggcact ccccatagc 180
 cagatctctg aatcaagatc tgccactgtt tttccccca ttggccaaac taccc 235

<210> 16114
 <211> 226
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962091H1

<400> 16114

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 ccacaaaaat tattttcctt cctttctatt tatcttctta aacaaataat aaaatttgat 120
 atttttatct catttttctt gtttttggtt tatgttattc catttcattt tcaagaagga 180
 aagtaagatt atgtttgatt ttagaggaga gaaatagaat aaataa 226

<210> 16115
 <211> 224
 <212> DNA
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<223> Clone ID: 700962092H1

<400> 16115

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 catggagatg catgtgactg ctccaatttc cttgatgtgg actggctttc ttcttctgga 120
 aattcttgtg aagaggaatt acttgaaagg tcaaccagca tctcctcaga gaatattgcg 180
 aatgaactaa taactactga gacatctgca agtgaatctg gatc 224

<212> DNA
<213> Glycine max

<223> Clone ID: 700962103H1

<400> 16119

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cgattttggt tgtccccttt ggatcagttc gtgcccttgt tgttggtttg tagcttttgc 120
tgaaatccag caataatgaa gaaggttatt ggtcaaactg ttagggacct taaaagagaa 180
gtaaataaga aagtgtgaa agttcctggg attgaacaga aggttcttga tgctaccagc 240
aatgaaccat ggggtcctca tggatc 266

<210> 16120
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700962105H1

<400> 16120

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ttggccttgt tccgcatctc ctacccctct cctctgctgc atgcaacat gaagattttc 120
aaccctcca aatgctttct ccagaacgtg gtgtgtcctt togacacct cttcatcatt 180
aaaagggtta agcccttoga tctgggtctc tcccacctcc accaattcca attcctatcc 240
tactattgaa accaa 255

<210> 16121
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700962009H1

<400> 16121

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tcccactctg aacaagcctt gttcttccac ctctctgttt tggaactgca agaggagaag 120
gaagaggaaa aactccatta tcatggctc taatctcagg accaacaatt tcttgcgcga 180
tgtggaatca atgaagcttc ttccatcagg tgctggccac atttcgcacc tgaacgctgt 240

gat

243

<210> 16122
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 700962011H1

<400> 16122

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gtagggttca gctgaagagg atagagaaca agatcaatcg gcaggtaact ttctccaaaa 120
ggagagctgg gttactcaag aaagcacacg agatctctgt gctctgtgac gctgaggctg 180
ctttgattgt cttctcccac aaaggaaagc tctttgaata tgccaccgat tcttgc 236

<210> 16123
<211> 226
<212> DNA
<213> Glycine max

<223> Clone ID: 700962013H1

<400> 16123

gcagcattgg gagatagaaa gagagagaga aagagagaga gagaaagacc cttacccttc 60
tctatcgctc gctttccttt gacgcttctg acccttgctt tgtctgcgctc ttccttcttt 120
ctttctttct ttctctgtgt gtcgtaatgg ctctcccaga ctcttcttcc cgtcgcaact 180
ccctgatccc ctcttctatc tactctcttt cctccaaaac gctccc 226

<210> 16124
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700962017H1

<400> 16124

tggcgacagc agaagagaag agtgcagcgc aagctataga agagcaaagt gtgtagatgt 60
ggttggacat tcagtcccaa tcacatggct tcttcttctc cttctctctc atcttatctc 120
acacaccttc ctcttctatc ctctcaccaa ggtgagagtg agaagcgcgt ggatgacgat 180

gaatcgcgcg ttccgattca catcgtgacc gcggcgacgc aacttcccgt cgaatttctg 240
gaaccctcgc ctcaatcca 259

<210> 16125
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700962019H1

<400> 16125

ctgttatttt gatagcaaag gtttcttgta tggtgtagat aggttgaaag agttgattaa 60
atacaagggc taccaggttg ctccggcaga gctagaagag ttactcctat ctcatcaga 120
gataaatgat gctgcagtta ttccataccc tgatgaagta gcaggccaag tgcccatggc 180
gtttgtggtg agacaacctc aaagttccct tggcgcacag aagttattga ttttgttgcc 240
aaacaggt 248

<210> 16126
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 700962020H1

<400> 16126

gctacaagcc caacaaactt ggttttaatt ggtataggcg tgccaaggctc ttgttaattt 60
tgagcggttaa gtgctgcaac taatcagatc ccaagacctt ggcctacctt gccatacaga 120
gaaaaaaaaa gcgaaaaaga agccaagggtt tggagccaac aaaaatagac acaaagcaca 180
agtcattggaa agaataatgg ttggaagtgg acaaagggtg gtttcaccct cttgg 235

<210> 16127
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700962024H1

<400> 16127

gcttcaaata tcattcaggaa cttctctttc atgccagata atgaagttat aatggcccaa 60

<223> Clone ID: 700962035H1

<400> 16136

cgcaatcaga cacttgtctt ctgcagctaa agagattact gtcacggagg ctctgaactc 60
cgcaactcgat gaggaaatgt cagctgatcc taaagtgttc ttgatgggtg aatagggttcg 120
ggaatatcac ggtgcataca aggttggttg ctctcttagt tgctttactt gtcttgccac 180
cctctcctct taagaacttc attaacttaa ctctcatttt agatatccaa ggggctgctc 240
gacaag 246

<210> 16137

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700962036H1

<400> 16137

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atgatttctg cgatttcgtg ggtgccccaa ggggtttcga agtcggaact tgctgtggct 120
caacctctc tcgaagagga aattcaagag ataatagcca accacgcaac caacagtgga 180
gacagtgaca atgaagacgc taacaactat gacgttggtg cacaagcatt aactcgtagc 240
agac 244

<210> 16138

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700962038H1

<400> 16138

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attaatagtg ccagaaacac cagtcaataa tttccccaac ttcgaaatca cgaattttga 120
aactgaagag aaaatattct caaattgcgt ttgaatatgg ctataagctg caacaaacaa 180
gaattcttgc tacgaccgtg ttttcacgct agagaatcca ccacagcggt tctacctcca 240
cta 243

<210> 16139
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700962039H1

<400> 16139

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gttcgcgttc tcgtcactgg agctgcaggg caaattgggt atgctcttgt ccctatgatt 120
gctaggggag tgatgttggg tcctgaccag cccgtgatcc tccacatgct tgacattcct 180
ccggcagcag agtcattgaa tgggggttaa atggaattgg tggatgctgc attccctctt 240

<210> 16140
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700962040H1

<400> 16140

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ttcgttggag agagatgcag ttccattcag aaactccaaa caaacatccc tcgcgacaac 120
cttaggaatc tcgatcgccg aaaaaacctg tgcagccccg aacacacaca ctctgcattc 180
caacttgttt aaatcatgcc tctcgattca cccttctctc tcaataaatc ttttggccta 240

<210> 16141
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700962041H1

<400> 16141

aaagacaata cttttcgtca agatagtggg tttttagggt agagaatcaa aggggggtctg 60
aattacagtc cctggatcat taaccaattg gcctcaagtt tgagaacca agagagggtg 120
aagaaggcca aacctggtgt tgtttctgct gttottacat caagtaacac caaagaatca 180
gtggcttttc aaatgccatc gtttctcaga agaaaggctg atccaaaaaa tgttgttt 238

<210> 16142
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 700962042H1

<400> 16142

gaaacctatc ttctggatac atacacaggg acatagaatt cgtgttactt ctctcttggt 60
ctgctggcct ccctcagata cttacaacag caacttgcac aaaagaaatt ctggagggat 120
tttccaaaca gaaaaataat ggataaatct atcaacaagt atctgggttc tggtactctg 180
ctggagcggc taccctgtc atagaggttc aaatgggaag atgctccttc cagaga 236

<210> 16143
<211> 233
<212> DNA
<213> Glycine max

<223> Clone ID: 700962043H1

<400> 16143

ggggcagttt taccatttgg atccatggaa ttggagctag agaagagcaa ttcgactgaa 60
gcattcaggt ctatcctgga aaagatagaa acagccaagc tggaggggtg tgaacttgat 120
gttctatgcc atcaactcca ggaattaatt tcttcctga agccatcaaa agacataatt 180
caaagcattg ggagaatatt cccaagcaat gcacgtttaa ttgttcgac cag 233

<210> 16144
<211> 232
<212> DNA
<213> Glycine max

<223> Clone ID: 700962047H1

<400> 16144

acttaatcta tcaggatatca gatcatttac ctttatcact tctcagtggc cagcattaga 60
tcccaacatg cactactaaaa caagtattct aaaggtaaaa caacaaaatt ctgaacttaa 120
ttatactaac taaaccaaca tggtcacatg taagaagaca acattccttg actaatagaa 180
tgttgatcag ccatgtagca tataatggaa gaccaggaaa cagcagataa ac 232

<210> 16145
 <211> 239
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962007H1
 <400> 16145
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 cgtccgacgc cgacgacatc ctgatccgta ggtggtgcca gatgtggcaa cgaagaggag 120
 gacaacctgc tgaacgccga gcaacacttc gcgagcttca aggccaagtt cgccaagacc 180
 tacgccacca aggaggagca cgatcatcgc gtcggcgtct tcaagtccaa cctccgcag 239

<210> 16146
 <211> 232
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962048H1
 <400> 16146
 cctaccacaca acacccctt tctccaattc ctctcactca ccacaacaac tccttttttt 60
 acctcttcac attctccatt tcacaggggt ctgatcatgt tggggaagag gccccggcca 120
 atgatcgga agttgtcgga gttgttggtc tcgagaggcc gcacggtggc atatttggac 180
 accaccggaa gccctagagg cccattagac atgaagatga tgcaatcatc ac 232

<210> 16147
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962049H1
 <400> 16147
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 cagtgaaaaa atgatagata taagtacact taatgctgca cagattactg tgctgggatc 120
 tgccttttgt gctatgcttt ccatgcattt cagtcgcag ttactgtctc agcatctctt 180
 ttattggaag aatccgatag agcaaaaggc tattatcatt atcatcctca gggttccaat 240

tttcttcagt ttaaaaatgt gtaatttcta tgtttgatct tggcagaact tccagaaa 238

<210> 16151
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700961980H1

<400> 16151

gaccgagcca gagcttcgtc ttggccctcg attttgcctt gtaaaactaa tcccagtcac 60

aacagaaata atcaatggca ccgaaacaga ccaaggctga gaagaagatc gcttacgatg 120

cgaactgtgc gacctaattg aggagtacgg ccaaattctc gttgtaaact cgcacaacgt 180

gggatcgaac cagctccaga acattcgcaa gggctctcgc ggcgactctg ttgtcctcat 240

ggggaagaa 249

<210> 16152
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700961981H1

<400> 16152

gaaatcgagg tcgtagtatg gtggttttagc gggataggat tggaagcagt accggctcgt 60

accaagaac aagaacatgg attatggctt cctgcttttg ctctcttct tccatatctt 120

ccttcctcac tcctctggta aaccagtggt agtgtgtgtt tctcaaggag gtcgttttcc 180

tcccttcaaa tcagagggta gcactcccaa aaagggctct aaagatttga ctctttgccg 240

gatctttcgc 250

<210> 16153
<211> 213
<212> DNA
<213> Glycine max

<223> Clone ID: 700961982H1

<400> 16153

ctgaggtcct atgattcagt ctcttctaca agaattacaa cttgacattg taaccctgt 60

003360-03360

tgtctactgt gataactacc taagtactgt cactggctta taatccatta attaactggt 120
gtatgaactc atggttataa aatgatgggt ttcttgaaaa aaaaaaaaga ggtggccccc 180
cggcaatatg ccttgtctag ccgggattat ttt 213

<210> 16154
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700961983H1

<400> 16154

cagacttgaa tagggaaaag gattttaaat ttttcttggt atctgtgtat ctctagtggg 60
atgaggcttt tgttgttggt gttgcatctg tatttatgtg aatagcttgc gctgtttggg 120
aacatttcat agtcctgtac ttttaggaat ttattttggt ccactaaacc aaaccaagga 180
cgacatatgt acggaagtta atacatctgc acacattttg gtatataaaa taaattctt 239

<210> 16155
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700961984H1

<400> 16155

aaacaacctt caacaaagac aaaaaccgct ctcttctggt ctgtccctca ccttataaaa 60
caaagttcca cttcatccga ttcacctaaa ccacaccatt cgcatacaca cacttggttg 120
tttgttacca tcttccaaaa atatcatgct cctaacgtaa aaatcctcgg tttcacggtg 180
ccactgctat ctctaaacat taccatggca tcaactctcag gcattttctc ctcttcccca 240
act 243

<210> 16156
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700961985H1

<400> 16156

cgaccatggt ttgataaact tctctcataa gttaaaaaca actactgcac ctcagctttt 60
gaataagttt gatgagagct tctataaaag ttgaagtgca taagttgacc tcaacttatg 120
gaaaaattat gtttttccat tttattttct tctctcataa gtatgatgta gaatttaggt 180
gggaatcaaa gtatatatgg agaactttag ccaacaagg cttaaaagga cttggatcta 240
tat 243

<210> 16157
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700961986H1

<400> 16157

ctttctcatc atcgaagccc gtcgagagaa gaagctgctt cgtcacgggt cccaaaatcg 60
cgtttcccaa gctccgtttc aaaccgctcg ctatggctac gtcggcgct cgcatggtgg 120
ccgccgcacc caccgtcact ccgccggcct cgctcgactt cgaaacctcc gttttcaaga 180
aggagaagat taacctcgct ggacacgacg agtacatcgt gaaaggaggg agggatttgt 240
t 241

<210> 16158
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700961987H1

<400> 16158

ggcctccccg gcgtctgcat cgccatctcc ggcctcacc gctgcaggag ctgacccttt 60
tgcgcccagt tgaagcccat gtctgtcgag ggtgcatagt tgcctcacgt tggacggcgt 120
tcaatacgat gtgtcgaaga agatttgagg atcaagagtg gactgcttct caaatgccaa 180
gccagttcac aggaagggtc cagtgggttct tcagaatgag atgcccatag cagagtctc 239

<210> 16159
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700961988H1

<400> 16159

gggagacgca atgatgctgt cccccgtaac gagcactgac aggctttagt cttgtagcca 60
cagcgaactg ggacgcagtg ggcggtgagc atggctatca tcacagaaga acccgaacca 120
gagcaaccaa cacactcacg ctcacagatc tcacccagca aaccaacaa caacccttc 180
tccttctggt tctacttcac cctctccgtc tccctcttca ctctcttctt cgtcttcacc 240
tcctcc 246

<210> 16160

<211> 208

<212> DNA

<213> Glycine max

<223> Clone ID: 700961989H1

<400> 16160

cacatctggt gctggatttt ctgcggaacg taatcgact tgagacggtc attattaggc 60
gcgtactacg atatggtctg taagccgac accgttcgct tgaatacagg ggattctggg 120
atatgctcct tatctctgca cgatggccgc aattttctcc gtaatgtcta ctgcagagga 180
gagaacatgg aatggttaag ggcgaggg 208

<210> 16161

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700961990H1

<400> 16161

tttttggttc ttaagccatg gcatccacat cctctctgca tctatctcag gcccttctgg 60
cacgtgctgt gtaccttcac ggctcttctt ctgaccgtgt ctcactctcc ttcccatcat 120
tctctggcct caagtcacat tctccatgca aagcagcagc cacgtcctca cgtagaaggg 180
gtgcttgccg ttccaccagc gttgttcttc catgctgcgg ttgacacact gga 233

<210> 16162

<211> 211

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700961991H1

<400> 16162

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taatgctcaa aggtttccgc ataaccaatg ccaccatgag nagaatgttg ttgcaactgt 120
tatggctctt ccaagtcctg gaacatcagg aacgatgctc ttacctgtcg atgtgggtcaa 180
tgagacttca actagttcta aaagaaccac g 211

<210> 16163
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700961992H1

<400> 16163

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gcagttagca tgttagctca ggatcagtat ggcaactacg ttgttcagca tgtgctggaa 120
catgggaagc ctcatgagcg ttcttgtata ataaaggaat tagcaggcaa gatagttcaa 180
atgagtcaac agaagtttgc ctccaatgtt gtagagaaat gtttgacctt tggaggctct 240
tctg 244

<210> 16164
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700961993H1

<400> 16164

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acaccctaca atcatggaca aggttgcctg ccagctccat ctccgttctg gtgtttctgg 120
tattaggagt tatgaaggag cctactgcca cccacaatg taccaaagac cctcttttgg 180
gaattactcg aatgctgcat tgcagtatcc tgtgatgcc tcatgcaaag ctactat 237

<210> 16165
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700961994H1

<400> 16165

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tgccaaagtt ggcaatatgg tccataaggc caagccttat gtgttaactg tgggggttgca 120
atttgggatg gctgggacat acctcttcac catggccagt ttgaaccatg gaatgagccg 180
tttgggtgttc attgtgtatc gcaatgccat tgctgcattg gcccttgctc cctttgcctt 240
gatctttgaa aagaaagt 258

<210> 16166
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700961995H1

<400> 16166

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atcatattct tgggtggataa cattcccata aggggtgttca agaatggtga gactattggc 120
gttcctttcc caaagaagca acccatgaga atctattcta gcctgtggaa cgctgatgac 180
tggggccacca gaggtggttt ggtgaaaact gattggtcca aggcaccctt tacagcctac 240
taccgc 246

<210> 16167
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700961996H1

<400> 16167

gttgcgtagaa agccgcgcca gttttttttt ttttttcaga gcagggtccc ctgatattcta 60
tatattcggg tgcaatgaaa tcattttctg tccagaacta actacactgg ccttttgttc 120

030306

<211> 230
<212> DNA
<213> Glycine max

<223> Clone ID: 700962005H1

<400> 16173

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aattatatat ctctattctt cattttatgc aacaatgatg agtttcatgt tttccctgt 120
aagctctggt catatatgaa tctcatcatt gttgcataaa atgaagaata gagatatata 180
tgaccagagc ttacaggga aaacatgaaa ctgagatggt ggaatatgga 230

<210> 16174
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700962006H1

<400> 16174

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ctgacatcgt tttgcgctc gacccgaacc aaaccatcga ggaccgcttc cttggtgcc 120
cactctattg gttcaaccaa aaaaccgaac cgaaccggat ttccaccttc gttctccaa 180
tcagaaaaac cgataaacgt cgcaccttc gccagtacct ccgccacatc aacactgtcg 240
ccgacgag 248

<210> 16175
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700961946H1

<400> 16175

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cttggcacag tgaaatacac caaccatca gaggaactct cattcaagaa attttcagg 120
ttgtcaacga gatacatggg tcttctacta agaagaacac agagtaccaa gagaagctaa 180
acgctgttgt gctcagggca gaggacatta tttactctaa agccaattcc gcagctgaat 240

247

<210>	16176
<211>	254
<212>	DNA
<213>	Glycine max

<223> Clone ID: 700961949H1

<400>	16176
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aaggaacttt tgggactacc tataaggcgg ttatggagga tgggcccggtg gtggctgtga	120
agaggttgaa ggatgtgact gtttcggaga aggagttaa ggagaagatt gatgtggtgg	180
gagtgatgga tcatgagaat ttggtgcctc tcagggctta ctactatagc agggatgaga	240
agctttcttgt tcat	254

<210>	16177
<211>	245
<212>	DNA
<213>	Glycine max

<223> Clone ID: 700961951H1

<400>	16177
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gagccgaacg	tgatcaaact	ctaccatatg	atacgatgat	gtcttatctt	tttcccttag	120
cttcttcttc	ttacactcat	tattccatca	tcaataagac	ccgaactatt	gcactctgcat	180
gtgctccttc	ctacatcadc	aagaaagcga	ttggatttca	cccttcaaac	ctccacaaca	240
agtgt						245

<210>	16178
<211>	248
<212>	DNA
<213>	Glycine max

<223> Clone ID: 700961952H1

<400>	16178
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tcaaacaat ttttcatctt tccccacttg ttggattaat ggctgcctca gctttgtcac 120
 taacatcccc attccatttc agaaaacccc acaacagggt ttcacctctc aatgctcatt 180
 ctctcattct catccaaaag ggtaaacaat ctcttaaadc aaacttctca ttctcaaccc 240
 tgaatgct 248

<210> 16179
 <211> 205
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961953H1

<400> 16179

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 tcagttatta tctgcttgcg tgttgcata gttgttgctg gttaagagtt ttcaaatcac 120
 tagtggtggg tagccttttc aatcgtgtca atgcctccta catactttgc cgcttcggtg 180
 ggagagcact ggggaccagt ggtgg 205

<210> 16180
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961954H1

<400> 16180

ggcagaacca aatagctcat tagtgagttt ttgagttcgt gtgtcctttc tttgtgtgtt 60
 gcaaggttac aagatggagg atcaaatgc atcatctaatt ggattgggca aggtgttcca 120
 caaggttaag cctaccttg ctatgatgtc ccttcagttt ggctactccg gaatgtacat 180
 catcaccatg gtttctttca agcatggcat gagccattgg gtactctccg tgtaccgtca 240
 tatagt 246

<210> 16181
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961955H1

[illegible]

<213> Glycine max
 <223> Clone ID: 700961958H1
 <400> 16184
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 tcttctctga aaattctctt tagagagata gagagataga gagagagaga aagaaattaa 120
 gaaaaaatgg cagcctgcac tgtctactca acacaatctc tgagcacaaa ttgctccatc 180
 tcaaccccat caaagacaca gctgagtttc ttccaccaa agcaggtagt tttctggagg 240
 aacagcaac 249

<210> 16185
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961959H1
 <400> 16185
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 ccagtaccag gtggttggga gggctcttcc caccgaagca gatcagcacc ccaagatcta 120
 ccgaatgaag ctctgggcca ccaacgaggt tcgcgccaag tgccaattct ggtattttct 180
 gaggaaactg aaaaagggtga agaagagcaa tggccaagtg cttgccatca acgagatttt 240
 tgagaag 247

<210> 16186
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961960H1
 <400> 16186
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 ctaatcaatc ccaagacctt gggttacctt gccacacaaa aaaatataca aaaaggcaaa 120
 ataataataa aaaaaagaga aggcttggag ccaagaaaat aaacacaaag cagcagtcac 180
 ggaaagaata atgggttgga gtgcaacaca gggtgctttc aacctcttgg tcactttcgc 240

247

<400> 16187

<400>	16188
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<400>	16189
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gtgagcattt gcaaatgcgt tgccacaccc gaagctgacc ctgcctacaa gacagggggtc 60

aatcgcaatc ctaatatgtg ggaaactatc aagctaggct agtctcttat cccg 114

<210> 16190
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961964H1

<400> 16190

ctcttcctcc ctttctcaca gcaatggccg ccgcagcacg ccctctcgtc accgtgcagg 60
 ccctcgacgg tgacatggca accgatgcct ccgccaccgt tcccatccct gacgtcatga 120
 aggcccttat ccgccccgac atcgtaatt tcgtacactc gaacatctcc aagatcagcc 180
 gccagccata cgccgtcagt cgtcgcgctg gtcaccagac ctccgccgaa tcctggggta 240
 ccggccgagc cgtct 255

<210> 16191
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961965H1

<400> 16191

gaggacttga ggaacaagag tcctcttctc ctccaaatga acccggttca caagaagatt 60
 ccggttctca tccacaatgg caaaccatt tgtgaatccc tcattgctgt tcagtacatt 120
 gaggagggtt ggaatgacag aaatcccttg ttgccttctg acccttacca gagagctcag 180
 gctagattct gggctgatta tggtgataag aagatatatg atcttggaag gaagatttgg 240
 acatcaaaag gag 253

<210> 16192
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961966H1

<400> 16192

cttggtttta attggtatag gcttgccaag gtcttggtga ttgagcgta agtgctttaa 60

ctaataaatc ccaagacctt gggtttacctt gccacacaaa aaaatatata aaaaggcaaa 120
 ataataataa aaaaaagaga aggcttggag ccaagaaaat aaacacaaaag cacaagtcac 180
 ggaaagaata atggttggaa gtgcaacaaa ggttgctttc aacctcatgg tcactttcgc 240
 cattgtcatt cca 253

<210> 16193
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961967H1
 <400> 16193

ctttgttcac tcttcttctc ttgctgtag gggttttagcg cactatcttc tagatttaag 60
 gaagatgggt aaggaaaagg ttcacatcag tattgtggtc attggccatg tcgactctgg 120
 gaaatccact accactggtc acctgattta caagcttggg gccattgaca agcgtgttat 180
 tgagaggttt gagaaggaag ctgctgagat gaacaagagg tctttcaagt atgcctgggt 240
 gctggacaa 249

<210> 16194
 <211> 243
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961969H1
 <400> 16194

cgcaacaaaa agaaagaatc ccaggcgagg agaaagatgg aggggaagga gcaggatgtg 60
 tcgttgggag cgaacaagtt ccccgagaga cagccgattg ggacggcggc gcagagccaa 120
 gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgacct gacggagttt 180
 acgtcatggt cgtttttacag agcagggata gcagagtttg tggccacttt tctgtttctc 240
 tac 243

<210> 16195
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961970H1

<400> 16195

acacacttgg ctgaggaagg tcggaaaaga aaatggagtt gttcttctac acggtgttcg 60
gtgcactggc cgcggttggt gcagttatgg agctgagcaa gaacaacaag gatcgaatca 120
acacctcttc cgcattcaat tccttcgaga acaactacat cctcgtctat tccctcatga 180
tggtctggaga ttggctacaa ggtccatatt tctactacct ttacagtaca tatggatacg 240
gg 242

<210> 16196

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700961971H1

<400> 16196

gatgtcgggt cgtggaaagg gaggcaaggg tttgggaaag ggaggagcca agaggcacag 60
gaaggtgctt cgtgacaaca tccagggtat caccaaaccc gcaattcggc gtttggtctg 120
cagaggtggt gttaagagaa tcagtgggtc catctacgag gagacacgtg gcgtcctcaa 180
gatcttcttc gagaacgtta ttcgcgacgc tgttacctac accgagcacg ct 232

<210> 16197

<211> 201

<212> DNA

<213> Glycine max

<223> Clone ID: 700961972H1

<400> 16197

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tcccactctc tctctctctc tctctcataa atacgccacc ttttatttta cgtaactgct 120
ctgcacctta gtcttctctc tccaatctcc aactccattt cttcgatctg gagctctccg 180
ctattcaagc tgtcaaattt c 201

<210> 16198

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700961973H1

<400> 16198

acacaagatg tttccacttt accttactag agttctgact ttcttcatgt atgcgtttat 60
gtttctactt atttctgttc attgtattac cgttctcaaa caagttatta tataattaag 120
accggtctca tttcaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaagg gggccccccc accaagagac 240
cccccccc 248

<210> 16199

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700961974H1

<400> 16199

aatgagacc atgcaaatgc aaatgcaatg ttctctctgc tctcattctt cttgtcacat 60
tcctttttat tgcttcttcc gtccactgtg aagaccata tcggtacctc acttgaagag 120
tcacctatgg tgacatctat cctcttggtg tcaagcaaca agggatctta attaatgggc 180
agtttccagg gcctcaaata gatgctgtta caaatgacaa cttgattatc catgtctat 239

<210> 16200

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700961945H1

<400> 16200

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tctcttaatt atgagggacc tagacaaggg atttctcatg gaaggatatc atcagttcat 120
gtgctccctt tcagtgggtt aaacagagag cacattctat atccactgag aaggctacag 180
tttctgctac cgatgaagat tccattgctg atgtgatgga acagcatgac gaatttctta 240
gttcaatg 248

<210> 16201
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961975H1

<400> 16201

caaaggaaga caaggggaat attatgtgat ggttatggac atgcttggtc caagcttgtg 60
 ggatgtttgg aattcctcaa gccaggctat gactgcggaa atggttgcat gtatagcagt 120
 cgagtcccta tcgatactgg agaagatgca tgcaagaggc tatgtgcatg gagatgtaaa 180
 accagaaaac tttttactag gtcaaccttc tacaccacaa gaaaagaaat tatttcttgt 240
 agacc 245

<210> 16202
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961909H1

<400> 16202

aaaacatctc taaacgcttg taaagatctc catctcccat tgatcctcct gaagtttttg 60
 tattcaacca tggctaccta tagttggtca actgagatat tttcattttt ggttctaacg 120
 ttgttgctga caagcagtca cacaatgggt gctggagcac gcaatcttct cgaatcaacc 180
 ttgtcaaaac cagaagtgcc aacacttccc aaacctcatg agttgccacc attgccggaa 240
 atccctgaat tgccc 255

<210> 16203
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961911H1

<400> 16203

gtaggaattc caggggtctgg ccaacgagga acccgtgata tgctgggtcca caaatgaat 60
 ggtagagata tttttttgtt gttacgcata catagtcata tcctatttca ttgcaacaaa 120

ctatggcact gtcaggctgg gcaattgtgc aagcgtccta tgccattggt gggcccagagc 240
ccttgtctgt gttt 254

<210> 16215
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700961926H1

<400> 16215

ctttggaatg gaatgaaacc tcttcttccc tctctcctaa ttctctctca ctacatccat 60
cctcgtaaaa caaaacaacc tcttacctcc gttcaagttt cacacgttct tccactatgt 120
cctggttgcg acacctctcc tccaagttct cctccaccac catcacaagc acgcgccgct 180
tcacttcctt gtcccggttc agtacctcga ccgctccggc tegtcatgcg ggcttggggc 240
ccactcaggc cca 253

<210> 16216
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700961927H1

<400> 16216

gttggataga gcttcttgcc ttgtgttcta cgttctgcat tcttctcagc ccgaaacaag 60
gacctgtcat caagatggtg aagttcacaa ctcacaggct tcggcacata atggactgcg 120
aacacaatat tcgtaacatg tctgttattg cacacgtcaa tcatgccaaag tctacgtctca 180
ctgattctct tgtggctgct tctggtaata tccttgaca agagggtgaa gctgagcgtg 240
gcaacact 248

<210> 16217
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700961929H1

<400> 16217

accatgtgga agagactcac acttgagggg gagatgtatt gggttacaag tgtgaggtga 60
 agtcccacat cggatagaag tggaaagggt gagcaccata taagtgagga gaagacccat 120
 aaacctgagc ctttaagggtt tgggtagag tgttgtgtca ggtctcctta tgtgggtggct 180
 tgtgggtccac aggtgtactt ctggaatctc cccaacaggt ggattggaag gggatttcaa 240
 tccttgtcaa gt 252

<210> 16218
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961930H1

<400> 16218

atccaaaatc agccatgggt tcaaatggta ggatgctgtg ttcaagcttg attacagcac 60
 ctccgtcatc ctccctctcc agaactactc catcctactt ctgctcattt ctttctcgta 120
 gaatcatctt cagccaaga attggatcat ctccggcccc ggcccaggcc caggcccagc 180
 ccaaggaagc caagctctgg ggtggcaggt tgcaggaggg cgtaaccgac gttgtggaga 240
 ggttcaccca gt 252

<210> 16219
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961935H1

<400> 16219

gtgtgacaca gaaattaagc tagagcttca tagtttcttc ttcttttctc accttcttc 60
 tctcccttca gacaaagga caaaaaatca gtgtgtgaga gagagagaga gaaattccaa 120
 aaccatgtcc cacagtcac taagtttctc ctttgggatt ctaggtaaca ttgcctcctt 180
 cgtgtgcttt ctggcaccac taccaacatt ttatagagtt tgtaagaaga aatcaaccga 240
 agggttccaa tcaat 255

<210> 16220
 <211> 248

<212> DNA
<213> Glycine max

<223> Clone ID: 700961936H1

<400> 16220

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ccccaggaat ggcaatggag aatacaacat tgtttgtgta gttgctgaat gtgcttcttg 120
tgttcagtgc ctttcttctg tccgcagagc aacaaagtca atcctcagct gtaggggacc 180
catgaatgca aagagatggg ttaagggtgg cctttgaagc ttggaacttc tgcaatgaag 240
ttggtcaa 248

<210> 16221
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700961938H1

<400> 16221

attctctctt ctattctatt ctaaactcga aacaatctta gagaaagaag cagaagaaaa 60
tgccgatttc tagaattgcc attggaaatt ctccggagtt gaaccaatct gatgcactta 120
aggctgcact agctgagttc atctcaatgc tcactcttctg ttttgccggg gaaggctctg 180
gaatggctta taataagctg acaaacaatg gttcagcaac accagcaggg ttagtggcag 240
catcactgt 249

<210> 16222
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700961939H1

<400> 16222

attctcaact gcgcgggtgag tgagtgagag acggaaagtg caaagccacc gtcttctctt 60
ctcagagctt ggcttttgctt atcgattctc tctcctctca tctttctcat tcaaggtttg 120
taaaagatgg ccgatgctga ggatattcaa ccccttggtt gtgacaatgg aactggaatg 180
gtcaaggctg gatttgctgg tgatgatgct cccagggtg tctttccag tattgttggc 240

<223> Clone ID: 700961878H1

<400> 16231

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ctcgcccaact ctgccctagc ttcaatccct ctatgcttatt tcttagactg tgggggcaca 120
aagaggtaac ggtagacaat ctacataca ttcctgatga aagttacatc aaggtgggca 180
aaaccaccac catcaacaag ccagacttgt tgccaatact ctcaacattg cgat 234

<210> 16232

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700961879H1

<400> 16232

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aaaagaaaag ttgagaataa gatgggggaa gatggtaatt cttggattag gaggacaaat 120
ttttcacaca cagtgtgcca tcgtttggat cctgctagat taggctctat tcctatcagt 180
gttcagtcag agcagaaatc aaggccttcc tcaaaggctc agagacaccc tatgacatac 240

<210> 16233

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700961880H1

<400> 16233

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accgtcgtga gacagggttag ttttacccta ctgatgacag tgctcgcaata gtaattcaac 120
ctagtacgag aggaaccggt gattcgacac attggatcatc gcgcttggtt gaaaagccag 180
tggcgcgaag ctaccgtgag ttggattatg actgaacgcc tctaagtcag aatccgggct 240
a 241

<210> 16234

<211> 241

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700961881H1
 <400> 16234
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 ttcttccctt ctcaacttgt actacaattt ctggattgaa ttatcttcaa aatgagagaa 120
 atccttcatg ttcaagctgg tcaatgtgga aaccaaattg gaggcaagtt ttgggaggtg 180
 atgtgtgatg aacatgggat tgatgccact ggaaattacg taggtaactt tcattctcaa 240
 c 241

<210> 16235
 <211> 188
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700961882H1
 <400> 16235
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 aagcttgcag agagattttt cgctcgatg gtctactcag cggtcctcc ttggtcact 120
 atgcgtgtca tgcttggctt tgggtgtgca tggaagtcct gatccatcta tagggggatg 180
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<210> 16236
 <211> 237
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961884H1
 <400> 16236
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 ggttttttcc gatctgagaa attcgcggcc caatggcgga ggaaccggag agcaccgtca 120
 ccaccggcgc cgccgacgaa tcgctgctcg ataagatcac cgagaagctt cacggccacg 180
 attcttcgtc ctcttcatct cccgactccg actccgactc cgaaaaaacc gttactt 237

<210> 16243
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961892H1

<400> 16243

ccttcctgga taacgttttc gggttcgaga aggcacttgt gttgtttttc gtacgaaatg 60
 gagactaaac agagttcggg gacggttacg ctacgttacg gcgcgttgac gtgcgccgcg 120
 gaatttctcg cgactttgct agcttctgct gtcgtcaaag cctcgctttt agccccggat 180
 ctctaccggc tgctattgat caacacgcct actgccaaag gagagagcaa aa 232

<210> 16244
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961893H1

<400> 16244

gttttgatgc aacgctgtca ctgagaaagg atctctatct acgaaggagc ggaataaaac 60
 ctttctctct gtgattaaga gaatggcttc agatcggaac cttcacactt ttgaggaggt 120
 ggcaaagcac aaccagacca aggattactg gctcatcatt tctggcaagg tgtatgatgt 180
 cacccttttc atggaggatc atccccggagg tgatgagggt ttgttatctg ca 232

<210> 16245
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961894H1

<400> 16245

tttgcaaacc ctttccaaca attagcaaaa catttggttaa acgatggaag taatgtgtgg 60
 tgccaaagtt ggcaatatgg tccataaggc caagccttat gtgttaactg tgggggttgca 120
 atttgggatg gctgggacat acctcttcac catggccagt ttgaaccatg gaatgagccg 180
 tttggtgttc attgtgtatc gcaatgccat tgctgcattg gcccttgctc cctttgcctt 240

gatctttg

248

<210> 16246
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700961895H1

<400> 16246

ctattttctc actcctgtct ctgccaggtc tcgccaatc actgaccccc agtattgtcg 60
ttacctcatc accgagtatc gtaaaattct catgaggttg tatgagttgg gtgctagaag 120
ggttcttggt accggaactg gtccattggg ctgtgttcct gctcagcttg ctacaaggag 180
tagtaacgga gagtgcgtgc ctgagttaca acaagctgca caaattttca acccactt 238

<210> 16247
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700961896H1

<400> 16247

caggccgggt ctggtctccg tagcggttac ccccaaaga tgcctttacc cagttcccat 60
ttcatctctt ctgagacctc tacctggctc ctctaaaaag caagccccac ttctctccga 120
tgcctctctg gacaacctg atctcggcc attccttctc aagctggccc gcgacaccat 180
tgcctctggc gatggccccg ccaaggccct cgacttcgcc atccgggcct ccacttcctt 240
tga 243

<210> 16248
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700961902H1

<400> 16248

atgcggctcc agctatcatg gctgagcatg atgctcgaga tgtacaaagg cccctcgacc 60
aatggagaag cagcaaaggg ggattcatgg cttccatgta cattttagtc ttgccagcat 120

00220-CTT660

tggataacat gggctttgag gcaaacatgg taagcatagt cctatacttt tatggagtga 180
 tgcactttga tctagccagt tcagccaaca cactcacagg cttcatgggc tcaacctagt 240
 tgcgggacct tgctcgtggc ttcattctcag at 272

<210> 16249
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961903H1

<400> 16249

gccttgcttt gcagcttcag ttcagtctct aactgtgttg aatttatcta acaactctat 60
 tgtgggggga ctacctgctt gtattgcttc ttttcaagct ttgactcatt tgaacctgtc 120
 agggaaccac ttgaagtata gaatatatcc taggcttgtg ttctcggaga aacttcttgt 180
 tttggacttg agtaataatg ctttgtctgg tcctattcct tgtaaaattg ctgagacaac 240
 tgagaaactt ggccttgt 258

<210> 16250
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961904H1

<400> 16250

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 cgtttctcac cctaccaact cccttcctac acaaaactaa tgccatcact ttctctgaca 120
 agagaccctc atttttgcag aggagctctc tgaagatcaa tgcaattacc aaaaaatggg 180
 aaccactaa ggttgtacct caggctgata gagttcttgt tcgtttggag gagctatcag 240
 ataaaacagt tgggtg 255

<210> 16251
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961905H1

<400> 16251
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 caactcctct ccttcccaac accttcagat cgcccatgct gaacgcagga ttgacttgac 120
 ttctcacatt attaaggtgt acttgacgtt gaaggttgaa catttgggga catctcctac 180
 ttcagaagta catattgcct tttcacccac tgaagtagaa catctagcaa tagtcagagc 240
 tgctgcaact tct 253

<210> 16252
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961874H1

<400> 16252
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 ctgcagatgt acttagtata tccattaatg gatccaactc gagaatgttt gtatctggtt 120
 cttgtgatgc aactgctcga ttgtgggata ctgcgtggc aagtcgagca gtgcggacat 180
 ttcatgggca tgagggagat gttaatgcag tcaaattctt tcttgatgga aa 232

<210> 16253
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961906H1

<400> 16253
 ggaatatgat gaataagaaa atgggttaatg gggggacagt taacaactgg ttctgcataa 60
 acttttcaag gaatgttcaa gatagtgttg cccgtggttt ttgctatgaa cttgctcaga 120
 tgtgttatat atctggaatg gcatttacac ctgagccagt agtcccccca gtcagtgtc 180
 gccctgatca agtggaaaag gttcttaaaa ctcggtatca tgatgccaaag aacaaactgc 240
 aaggaagaga gc 252

<210> 16254
 <211> 242
 <212> DNA

<213> Glycine max

<223> Clone ID: 700961907H1

<400> 16254

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 tcatgagcca ccatcgcaac aaccacgctg cgctcactgt ttcaaccggc gatgcgaatc 120
 ccgatgactg tcaccaaccg gtcgatgctc ccctttccgc agcagaacag attagggtta 180
 gggtttcacg ggaggacaac gcggcaccgc catcctccac cgctgatcgc ttcgaccgca 240
 tc 242

<210> 16255

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700961841H1

<400> 16255

atggagaata catgcctagc tagtaaactc ttacattctt cttgaaaggt tatacggaaa 60
 ataattatta tttaattgat agtaatgtaa aacttttaca cttaattaat attagttcat 120
 aaaagaaaac aaaaaaata tttgtaacca atatgtttcc ttttacaacg tgattactct 180
 cattcctccc ttacaaatat ctctttctcg tcacacgaac cacccttcat ggtatatttc 240
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<213> Glycine max

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 cccaaattcc actggagctg atataaggag tgtatgcaca gaagccggta tgtatgctat 180
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<223> Clone ID: 700961844H1

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ttcagatctc acaatgggga agtcaccagg aaaatggatc aaaactgtat tgttttggaa 180
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<223> Clone ID: 700961845H1

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caatttctct ctggattgag aagactactg ataaggagat ttctgatgat gaggatgagg 180
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<213> Glycine max

<223> Clone ID: 700961846H1

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tgtcgtagac tgtgggggca cccagaggt aacggtagac aatctcacgc acattcctga 180
tgagagttac atcaaggtgg gcaaaacct ctccatcatc aagccagact tgttgccaat 240

258

gagactgtgg aatacaagaa cattagcttc actgtttggg atgttggtgg ccaggacaag 60

SECRET

agcttttcag aggaacaatg gcgggtaggg ttctgacgtg cttcttcttc gtgtttgctc 60
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 atcagcaacc aatacgagaa cccacaatga ggctacctca tgaagcagtc tttgatgaat 180
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 cgaaactcag ggtttggtgc cagtgcagct gaagcagata agcgaggcct ctcaatccgg 180
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 gatggtg 247

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 gaatctcgcg gtgttgtaag ttctgcgggc gttgtagttc cggcggcgat gggacagcaa 180
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 <212> DNA
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Table 3

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gg	242

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ccgtcaggct ctggcgctcc gacgacctcg ttttggagct caccaacacc ggccactgcc   180
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<223> Clone ID: 700961869H1

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gcatttttga gttgactctt cagctaaggg aatgaagaa cgctctttcc acaaaggata  180
aagagataca ggttttacat cagaagctgg acaatccaga tgcaaatcct gatgaaag   238
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7200

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<223> Clone ID: 700961870H1

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agaacttcta tgatagtaaa tgtcccaagg ttttctatgc cgtaaaatcc gttcttcaat 180
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<213> Glycine max

<223> Clone ID: 700961871H1

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ccttcatgta tgagaagggt ggtagtgttc ctcttctgt ggattggagg aagaatgggtg 180
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<211> 242

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atcggacccg taccgagttc aataaccaag ttgactcagc tactcagct caaactcggg 180
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tt 242

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 ttagtgggag gaaactgaag gtgaacagtt ttacagcacc agttggagca cgatccagca 180
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 tgctgcagca acaactcaag tttcagggaa tgaagagctg ccaaagacaa acctaaatga 180
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<223> Clone ID: 700961807H1

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<223> Clone ID: 700961808H1

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 gttgaaggga gttcaataca aatatgtcga agaaaatttg aacaacaaga gtgaactgct 180
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<223> Clone ID: 700961809H1

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gacacacatg ttgggagtaa ttattttggt gtaaattctg agccttttgc aggagagggt 240
aaact 245

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<223> Clone ID: 700961810H1

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g 241

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<223> Clone ID: 700961814H1

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<223> Clone ID: 700961815H1

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cacgttgaag gcggcttttg ctgagttcat ctcaaccttc atcttcgtgt tcgccggctc 180
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<223> Clone ID: 700961816H1

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ggatgctgct aaaagagcct tttcccataa caaaggcaaa gattggtctt cagctcctgg 240
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<223> Clone ID: 700961818H1

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<223> unsure at all n locations
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<223> Clone ID: 700961822H1

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 ta 242

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<223> Clone ID: 700961823H1

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cca

243

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<223> Clone ID: 700961826H1

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gtt 243

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gcaca 245

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<223> Clone ID: 700961832H1

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tgatgga 247

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<223> Clone ID: 700961833H1

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 agctaaacga ggtggt 256

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<223> Clone ID: 700961835H1

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 aag 243

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<223> Clone ID: 700961836H1

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<223> Clone ID: 700961837H1

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<213> Glycine max

<223> Clone ID: 700961838H1

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<212> DNA

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<223> Clone ID: 700961839H1

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ccgcttttga atacttggag aatgctcttg gtaaatttga tgatgggcca ttcttgcttg 180
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<223> Clone ID: 700961804H1

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acgaaccaa ttatgcctgt ttgaataacg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
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<223> Clone ID: 700961762H1

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cagatgtcac ccacgatgtt gtgtccctcc tctcttctcc tcaaaggac tttcttcttc 120
gaaacaacgg cgatccggtt aaaattgaca gcttgaaggg taagaaactt ggtttgtatt 180
tttcggcatc ctggtgtggt ccatgtcaaa catttacgcc aactttgggc gatgtgtaca 240

<210> 16310
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700961763H1

<400> 16310

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ccgtcctttg gagcaatata tccatcctct tcagtttagc agaagggtgc gtgtattaga 180
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c 241

<210> 16311
 <211> 254
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961765H1

 <400> 16311

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 tgcaaccctt ttgtacgtgt tgaccagtga tggccaagat gatcacctcc ttgaatcacc 180
 tggttctggt caatttctga tgaagttggt aaaaccaatt gtctccacag ctattaaaga 240
 cgaagcacca aaat 254

<210> 16312
 <211> 257
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961766H1

 <400> 16312

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 gttaacggca atgctgggtc cctccggcag cggcaagacg accctcttga ccgccctggc 180
 cggaagactc gccggaaaag tctccggcac cataacctac aacggccaaa ccgacccac 240
 cttcgtgaaa cgcaagg 257

<210> 16313
 <211> 247
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961768H1

 <400> 16313

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 tgaagtggt atttatcacg gacggattca gctgccttca gaatatccct tcaaacctcc 120
 ttcgtttatg ttgctcacac ctagtggccg ttttgagacc caaaccaaga tttgcttgag 180

catatcaaat catcacctg agcattggca accatcatgg agcgtaagga ctgctttagt 240
cgcaactg 247

<210> 16314
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700961772H1

<400> 16314

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tttgtttggg ctgttgagc aatgattgtt attggtgcac cattttctcg tttggtgagt 120
gccattcttt tatattgggg tatattggtg cttgtcagat cttctcaatc actcatgaca 180
ctatgccttc caatattggg aatccttctg atggtgtggc atctctgctc aaggaaaagc 240
a 241

<210> 16315
<211> 226
<212> DNA
<213> Glycine max

<223> Clone ID: 700961773H1

<400> 16315

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cagaagtcgt gactctggt ggtccagctc gacaatggca cgccggcgct gtccaatgag 120
atcaatgatg ccctggaagg aaacgacgct gctgcaata tctacgcgct caagaaggcc 180
atcatgatcc tctgatcgg cgataccatt ccgcagcgct tcatca 226

<210> 16316
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700961774H1

<400> 16316

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 tgggtttgaaa gtgccagata ctacaaatac gtctgtgtat gagagtattg atcttgagaa 180
 atgcagaacc aagtgtttga gagattgttc ctgcatggca tataccaatt ctaatataag 240
 tgg 243

<210> 16317
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961775H1

<400> 16317

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 gcagtagttt tggtagcatg gccatgccat ggcgcaggct accaaagggt ccctctccga 120
 atgaaaactg gctatggtga gcgttcttcg gaggtaaaat gcgcaagttt taggcttgct 180
 gtggaagcac acaacatccg agcgttttaa accattcctg aagagtgcgt tgaaccaaca 240
 aa 242

<210> 16318
 <211> 169
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961776H1

<400> 16318

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 ttggtgaaac aagcactagt gctcatcact gtagggggca atgattttgt aaacaactac 120
 ttcttggtgc ccaattcagc aaggtccgc cagtaccac tacctcaat 169

<210> 16319
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961779H1

<400> 16319

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 caacctcgac gacttatcag tcaaagaagt cggagatggc aatcttaact tcgtcttcat 180
 tgtttccaac cccgcaggtt cttttgtcat caaacaggct ctgccgtacg ttcgttgcat 240

<210> 16320
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961780H1

<400> 16320

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 atcatagatc ccgtgccttt ggcagttgta gacaatggca ttgtcaagga ggaggcgcag 180
 atcattaaag gaaaagagaa aagagaaata gtactgggaa gaaatattca tacctcgtgt 240
 c 241

<210> 16321
 <211> 287
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961781H1

<400> 16321

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 ctgtctctgc tggcaccatt ctgccttcta gacaggtgag aaggaagctt gtagaagatt 180
 ggttgccggt tttggttgta tgcaaacata atgtttcacc aatatcacc agcaacaaat 240
 cgttgtatct ggaactggaa gaaacattct tgcgaatcat ctccaca 287

<210> 16322
 <211> 226
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961782H1

<400> 16322

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 tggaacaacc gactatggag catacacata ccaaaacctt gagagggaac cttactggcc 120
 ctctgaaaag ctcagaattt ccatcactgg ggctgggtgt ttcattgcct cacacattgc 180
 tcgccgcttc aagaccgagg gatattacat cattgcttct tattgg 226

<210> 16323

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700961783H1

<400> 16323

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 gggggtaggt cctggggggg aagttataga cacctttcca tacttttgtgt ctggagtact 120
 tcaactaatt tcctctgcag tattgggctt tggcggtatt tatcatgcac ttttgggacc 180
 tgagactctt gaagaatctt ttccattctt cggttatgta tggaaagata gaaataaaat 240
 gactac 246

<210> 16324

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700961784H1

<400> 16324

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 caactgcaac cattgagggt cctgcattgg aggtgccaac taatttctta gatgtttttg 180
 gtgtagttct ctgacaaaaa ttggagtttt acagtgataa taacatttaa tgctgcagac 240
 ctttc 245

<210> 16325
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700961786H1

<400> 16325

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acacttcact ctctcttccc aaaacaaaac aaaaaatggc tgaaactcta aacctcccat 120
tgctactctc agtctgcac atcttcacaa cctctctct tacaacctct cgcacgatca 180
caaccccatc acacaccaat gttctcgatg tctcttcttc tctgcaccaa gccacacaaa 240
tcctc 245

<210> 16326
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700961787H1

<400> 16326

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gagatattct ttgggaatta attaatttca gataaattct ttgatcttgg gggaattctg 120
tatataattt agagctggac tttcattcaa ggggagcaac atctctactg attaggactg 180
aaactgctgt tttgagaacg ggcttgctt catgaaatgt gtttatttag tattaggg 238

<210> 16327
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700961789H1

<400> 16327

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aaaagagatt gttgtgactc tgcttcttcc gtgtcaagag aagggttgga tggaacacac 120
tctaaaggaa gtgcggattc acttcgtgct ctccgcttga caaccaagct cgtgactta 180
cataaacttg ccaaggttga ttcagaatcc cataaagaat ttgaacactg gaatgaaatg 240

243

<400>	16328
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<400> 16329

<400> 16330

7219

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<210> 16331
<211> 221
<212> DNA
<213> Glycine max

<223> Clone ID: 700961796H1

<400> 16331

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ttatggtcac aaagtgtga agggtgattg caatgcttgg atctttgttt ccttcaatgg 120
tttggtcaca gttagtctt ccatattctc cctctgggcc ttttcttggg cttatttatg 180
tgctcccccc agttatcaat cattggggcg gagtcatgcc c 221

<210> 16332
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700961801H1

<400> 16332

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ttcaattccc ttcttgttgt tcccctagca cggccaattg atcttgcggt gaggggcaat 120
aattaaaaca catgaagcaa aaatcttaac tcaatacaac gcaacacatg catgtgagtt 180
tttgccaaca aacgtgatca ttgccgcaac aacgaagact caatattatc ataggccatt 240
atgttcacca aca 253

<210> 16333
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700961803H1

<400> 16333

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tttgtcccaa acaaacttcg ttagtcatta caaatacatt ccctttctct ctctcttctc 120

caatttcaat gagatgagca acaacaacag caacagcatc ctcgtcctcc tcaacctgta 180
 ccttattatt cacacactct tgtcacgcgc gcattagtgt ctcaaattctc aattccgttt 240
 ccccttcc 248

<210> 16334
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961761H1
 <400> 16334

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 ttgagctttt ctttttagca cggaacatgt gagtgccaca aagggtttga gactttttga 120
 ggctttctct cactctaata agtcctaacc tcattcacct cttgggtggg gtgggtctata 180
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 tt 242

<210> 16335
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961732H1
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 ccgaccgcca gacggcgtgc aactgcctca agtcggccgc cagccaaatc tccggcttca 120
 aagccaacaa cgccgcctcg ctccccggca aatgcggagt ctccatcccc tacaagatca 180
 gcacctccac caactgcgt accatcaagg tttgaagaga aagtcatgga cgcaggaaac 240
 cggaaact 248

<210> 16336
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961733H1

<400> 16336
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 ttgcttgatt ttggagatgt ctctgctctc agatctcacc aaccttaacc tctccgatac 120
 caccgagaag gtgatcgag agtacatatg gatcgggtgga tcaggaatgg acctgaggag 180
 caaagcaagg actctcccag gaccagttag cgacccttca gagcttccca agtggaacta 240
 tgatgggtcc agcacaggtc g 261

<210> 16337
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961734H1

<400> 16337
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 ccctccctaa caactctctc cacctcaacc ctctcccccac gcgccttctt ctctccctca 180
 cgcgcccttc gcacaactgc cgctccttcg tcgtcaaagc ctctccagc gagcttccgc 240
 tagttggaaa cac 253

<210> 16338
 <211> 245
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961735H1

<400> 16338
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 tcggcgaact ccacggccat tccggcatcg cgaggttgat gctgttctac gcaagaggct 120
 tgtgcgcat cgctgaccac cgcagaggcg ccggcgagc agacgccggc ctctcttct 180
 tcaacggaaa actctctgcc atgtcggagg atgatttccc ctacgaactc cgaatcaccg 240
 cctcc 245

<210> 16339
<211> 252
<212> DNA
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<223> Clone ID: 700961736H1

<400> 16339

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tttctaggcc atcaacatca ccacttggtg tgaatgtgag aagccaatca ggattcagct 120
tcatgggggtc atcagagcta gatgggatca cacaaggaag tccaagaaa ccaaggaacc 180
atgagatgat gcattcccca aatagtgtcc cttcaatgag catggatgtg aagcccaatg 240
atgaaaacaa tg 252

<210> 16340
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700961737H1

<400> 16340

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cttgtcctca aactagctca ttcccttcca gactgttcat tctctttcat tggcacacac 180
aatccaatg caatcctttt cccaaaaccc cacatcccag ataacatcaa ggcctatagc 240
ataagtgatg g 251

<210> 16341
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700961738H1

<400> 16341

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ggaatttctc agcggtttgt tctgatatcc aaaatcctgg ctatgttgat tgccattcaa 180

attgtaataa gtctacatct caagcgtctt tgtttttgtg ttccgactcc aacagtagaa 240
gaaatggt 248

<210> 16342
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700961739H1

<400> 16342

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cgttaagtgt ttctaccgta gcgctcagga aggaggcatt ggctgggtgg gttggttgtg 120
gtggaggtgg ttttgccgat cagttgtggg agagggtagg aaagaaaaaa aaagtggaaa 180
atgagttcag acagccgcag caggagcagg agcagaagca ggagcccaat ggaccgtaag 240
atccgctc 248

<210> 16343
<211> 177
<212> DNA
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<223> Clone ID: 700961740H1

<400> 16343

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tcaaattaac cccctaaaca tcatttagct agctagccaa attaattatt aattaggcaa 120
ataatgggaa acccagaatc caatttgcca cccggtttta ggttccacac aacatac 177

<210> 16344
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<212> DNA
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<223> Clone ID: 700961741H1

<400> 16344

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aagaagaaga agaagatgcc ttcttcagaa tcatcaacag gcttctccga aaccatttgt 120

<400> 16347
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 tacgattgat tttctgggtt ttgaattaga tttagagggt ttctgcttat ctatattttc 180
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<210> 16348
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961746H1

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 cgggttatcc agcaacaccc aaagcttaat tggcttcggg caagcgcaac ccacatctct 180
 tgtgggcctg aaccacctaa ccccatctca gatctctcag atccaatccc aaatccatat 240
 ccagg 245

<210> 16349
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961747H1

<400> 16349
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 cgaaacgcca acatgggttct cgttctcctt ttccttatgg caatcttctc cgccatgacc 180
 actccgtcaa cctccgcgat cgacaccttc atcttcggcg gctgctccca ggccaagtgc 240
 acgc 244

<210> 16350
 <211> 280

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700961748H1

 <400> 16350

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 cccaatgatg aacctctgtt tcttcttctt ctacttcttc accttcttcg cgcgcgtcag 120
 atctgatccc tcagatcacc gctacaaaga aggcgacccc gtccctctct acgccaacaa 180
 agttggcccc ttccacaacc ctaccgaatg ctaccgttac ttcgacctgc ccttttgtga 240
 accaggtgat ttgaaagaga agaaggaggc gtcgggggag 280

<210> 16351
 <211> 264
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961749H1

 <400> 16351

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 actctcaccg gcaagaaaaa aatggcatct cacatcgttg gatacccccg tatgggtccc 120
 aagagagagc tcaagttcgc tctcgagtct ttctgggatg gcaagagcag cgccgaggat 180
 ttgcagaagg tgtcttctga tctcagggca tccatctgga agcagatggc tgatgctggg 240
 atcaagtaca tccccagcaa cact 264

<210> 16352
 <211> 247
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961750H1

 <400> 16352

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 ttaattcaga taaagtttgc attgctatgc tcctttccaa tagtgtgata ttgagaagtc 120
 cttagtatca ttgatttttg tagtttttct ctaatatgaa ctcatttgga cataggtcta 180
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247

<400>	16353
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<400>	16354
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<400>	16355
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gaattcactg accatttgac tcataaaacta aagcaccacc ctggtcagat tgaagctgct 120
gctattatgg aacacatttt ggaaggaact cctattggag tctccatgga taatacacgt 180
ttggctcttg cttcaattgg taaactcatg tttgctcaat tctctgagct tgtcaatgat 240
tattaca 247

<210> 16356
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700961754H1

<400> 16356

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gacgtacaag gtttgggtgg actatgtcgt tcagtttcga tctatccttg ttatggacgt 120
ggtcggtccc atctccttcg ccatttggtt ccgtgcgtac gttgggggtg taagatctga 180
gcggaggtcc tatgatgctc gtcggatcga acatgatgat agtgtgatga gggctatcga 240
acgcc 245

<210> 16357
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700961756H1

<400> 16357

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ttggttgatc cagtgtgcc agctagacct tctatacgag ataattcccc ttcaccatct 180
caacaccagt tagttgcaa acaggatatgt atgctcattc ttctctttta ttcttgatca 240
a 241

<210> 16358
<211> 246
<212> DNA
<213> Glycine max

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 atacattgtc actcaacatc aagacatggg gtcctctctt gaagaagatc atagtaccct 180
 tgagattcca gttattgaca tgcacagatt gcttcgaaaa nccctgggag ttcagaattg 240
 gataagcttc acctggcgtg caaag 265

<210> 16364
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961701H1

<400> 16364

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 gccagtgccca gatttgcaag ttccgttgcc acacaacaat cctcttctgg tttgggtggt 180
 ttatttggat ggctcactgg agaccgatcc agttctttac catctctgga tttcccgctt 240
 ccgggcgtta cacttcccc ttcat 265

<210> 16365
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961702H1

<400> 16365

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 gagaaaactt tatatatgga ataataacaa taattgtaca tagaaaaaga taatggtcgc 180
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 aaaaaaaaaa aagaa 255

<210> 16366
 <211> 256
 <212> DNA
 <213> Glycine max

<210> 16369
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961709H1

<400> 16369

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 cgtcaaggcc aagatccagg acaaggaagg aattcccccg gatcagcaac gtctcatctt 180
 cgccggaaag cagctcgagg acggccgtac cctcgccgac tacaacatcc agaacgagtc 240
 aacccttcac cttgt 255

<210> 16370
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961710H1

<400> 16370

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 aagatatggt taagcataac aacgttatcc ccaatgggca cttcaggaaa cactggcaaa 120
 actatgtgaa gacttggttt aatcaaccag cacggaagac cagaaggcgt ttagctcggc 180
 agaagaaggc tgtcaagatt ttccaaggc ctactgctgg acctctcagg ccaattgttc 240
 atggccagac tctgaaatac aa 262

<210> 16371
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961712H1

<400> 16371

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acactgccta tcagactaac gttgttgttt aattagtgca tgcattctgca tcttggggcac 180
cataagattg tatataagat aaattatggt gtgttgtgta tgttgtgcaa gacctggaac 240
ttcacctttc 250

<210> 16372
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700961713H1

<400> 16372

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ggatcggggt gattgagatg cacaccgca gaggagcaa cggcggcggc ggcggcgtgc 120
tggcgtcgcg gacgagttcg cggtcggtga cggagacggt gaacgggtcg cacaagttcg 180
tgataaaggg atactcgctg gcgaacggga tcggagtccg aaaacacatc gcgagcgaga 240
cgttcacggt 250

<210> 16373
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700961715H1

<400> 16373

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tattagagta ggctattggt ttagtttctt aaaattagaa aaatgtcaac taaatttctg 180
aaattgaaat ttattaatag taactcactg ttcgttccat tatggactat gataatagta 240
agttat 246

<210> 16374
<211> 86
<212> DNA
<213> Glycine max

<223> Clone ID: 700961716H1

0953113-032000

<400> 16374
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gtacttggtt cattttctct cgaagc 86

<210> 16375
<211> 81
<212> DNA
<213> Glycine max

<223> Clone ID: 700961718H1

<400> 16375
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agcatatcca tttcaacatg g 81

<210> 16376
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700961719H1

<400> 16376
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tttaatecct aaacctaate cttatacttt aaacccttac tcaccaaact gttcatagtt 180
ttgtgatttt tttttccact aaaaattgtg ttatggagct tctgacggtg gtggatgatt 240
tttttgtcac ggcttc 256

<210> 16377
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700961720H1

<400> 16377
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attcggatcc gattagggtc tctcggatcc tctccaccgc ctctccgat tcccaaatcc 120

actccctcct cctgtcttcg ctcgagatcc gagctaagca cgggattcgg atttccgttt 180
 ccacgctct ctcttcacca gttttgcgct taaatggcat caagcgaggg gtttctgacc 240
 gatggacaca gag 253

<210> 16378
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961721H1

<400> 16378

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 ccgcccga cccatctttc ccggcgacta aggetcaact ttacggcgcc acacgcccc 180
 cctaccgcc tcagccccac caccggcgcc ggagcaagcg ccggtgctgc tgcaccttct 240
 tcttctggct gat 253

<210> 16379
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961723H1

<400> 16379

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 ggagtacttc attaaattga tcaagaaaaa gcatggaaag gatattagca aggacaacag 180
 agcacttgga aagctgagga gagaggctga gcgtgcaaag agggctctca gcagccagca 240
 ccaggtccg 249

<210> 16380
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961724H1

<400> 16380

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aagctggtac tatttgaaag atgcagtcct tgaagggggt attccattta acaaagcata 120

tggaatgaca gcctttgaat accatggaac ggatccaagg ttttaacaagg ttttcaacaa 180

ggggatggct gatcactcta ccattacgat gaagaaaatt cttgagacct acacaggatt 240

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<210> 16381

<211> 224

<212> DNA

<213> Glycine max

<223> Clone ID: 700961725H1

<400> 16381

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atgaagcctt accctttcca tatctatact ttccttgaac tagtcagtta aagctgtgat 120

atatgtgcag cctagtcact ttgatttata ctgtttttgc ttgagaaaga tgtatggtta 180

atattgatta ctgtctatag atatacgata ttcacatcta cctc 224

<210> 16382

<211> 183

<212> DNA

<213> Glycine max

<223> Clone ID: 700961726H1

<400> 16382

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ctgttgcaca tagaaatgta atgtagtttt tgacccaaat agcaagtcac tagttcatta 120

gccaacattt tgtgcaaaat atttttgggt ttggggattc ctccttcaat tcaaagcac 180

aca 183

<210> 16383

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700961727H1

<400> 16383

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tgggatttag gttcaaaca cagctacagg tacaatcatg atgtttatga tcgtttctgg    120
tatatctatg gtgacaacaa ggattggaaa caattaagtg cttctattcc tgccgattcc    180
ttaaaccaga acgattacaa accgccagag attatcttga gtaccgcagt tacaccagta    240
aatgcttct                                     249
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<210> 16384

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700961728H1

<400> 16384

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gaaagttagt ctttgtatat gtggaaatgg ataacgaaca tggtggaaag cctgtttcag    120
aatactttgg tatcagtggg aatgctccaa aagtacttgg gtacactggg aatgatgatg    180
gaaaaaaatt tgtgcttgat ggagaggtga ctgctgacaa aattaaagca tttggggggag    240
a                                             241
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<210> 16385

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700961729H1

<400> 16385

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gggacattgt accttaaatt aaaagatgga agtttcatgt agtttctttt tcatcatcca    60
ttgaactgaa ccttaaattg attatagaac catgtttgcg actaccaatt cctccacttt    120
gtcacctttg ttctctttca gtagaacaac agcgacctct ctgccttcca aaccacatt    180
ctgggatttg gttccaatga gacgatcttc ttctccgggg cacttggcct tagccttaga    240
caatcc                                     246
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<210> 16386
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961693H1

<400> 16386

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 ttccaccaaa tccccattct tccaatttat ttaaaagcat taacaatttt gtattagagg 180
 caaagaattt aaagaggatg cttgttttaa gattatacat gaaccttcaa gctggtgggt 240
 ggtccataat tttgttatca ag 262

<210> 16387
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961730H1

<400> 16387

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 atacttcaaa gggtcattcc aatggcatcc tcgtcaagtt ttgttcattt ggtaaattcta 120
 ggtttagttt tagtactact tggttttatt gtccctagaa gtgaagccag gccaagagca 180
 ttctttgtgt ttggacattc gcttgttgac aatggaaaca acaactattt gcaaaccatt 240
 gctcgtg 247

<210> 16388
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961654H1

<400> 16388

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 ctcttgga accaggactg aaacgttcag tgagggttgg ggagacaggt ttcagagaag 120

ttgcagccta ccttcttgac catgatcatt ttgccaatgt accctttact gcccttgtaa 180
 aggtcacaca ttctattttt actgttaatg acagggtcaa tggtagtatg catcataaca 240
 aaaagcaaat aagcaagatt gcat 264

<210> 16389
 <211> 269
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961656H1
 <400> 16389

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 caagaggtag atacagcaac gcgatgaggt tgtgctttct gctcttgga tgggtactgt 120
 ttctctaaaa cttatatttt cattcatcag tctttgaaca taaaaatcaa attttcttcc 180
 gtgtctaaat tgcgggaaag ttattataaa tataaaactg aacattttta attttttaat 240
 gctcatttac tccatatcat gtagcagct 269

<210> 16390
 <211> 266
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961657H1
 <400> 16390

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 tgggcttttg atcacatcaa atacttcaat ggaggttctg agattcaact tcattcttgac 180
 aagtacactg gtactggctt ccagtccaaa gggtcatact tgtttgggtca cttcagcatg 240
 aacataaaga tggttcctgg cgattc 266

<210> 16391
 <211> 267
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961658H1

<211> 255
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961664H1

 <400> 16394

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 tttgtggtgg cagccacagc tggtagcttt taccaagact ttgaaataac atgggggtggt 180
 gagcgtgcc aatctatga aatggaaat cttctcacc tctccctaga cagagcctct 240
 ggctctggct ttcgt 255

<210> 16395
 <211> 263
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961667H1

 <400> 16395

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 tctaccgtcc tgagaaaatg ttccaaagga agctctggca tgtcaagatt cctgtatacg 120
 aacaattttc aacgaaactt gatttcgcct ggtggcaatg aatcgtatta tgggtatttt 180
 aacaggagat catacacttc actttatatg ggaactggaa ctgtgggtgg gattacaagt 240
 gctagaatca gggtgccaaa tgt 263

<210> 16396
 <211> 265
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961668H1

 <400> 16396

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 gttctggaat cctatcctcc tgaacgagta actattttca tgccacagct ggtgcagtcg 180

ttgcgacatg catgcagggga aattgggttta agggatatctg cttagagctg ctcagagacg 240
 tgacatatatt gcccatattc ttatc 265

<210> 16397
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961669H1

<400> 16397

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 agttcacttg ccttggttgg ggtgattgca ttgtggggct cagttggatt gatctcagca 180
 attgataggc ttcctttgat tcctgggatt cttgagattg taggcattgg atacactggg 240
 tggtttgtat accagaacat agt 263

<210> 16398
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961672H1

<400> 16398

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 agaccactc ttggtggcac gcggattaag acccgcaaac gaaatattgc tgcgccgctg 180
 gaccctgcag cattctcgga tgcagtggc cagatttatt tggataatgc tggatgatctg 240
 gaacttattg ctaagagtat tg 262

<210> 16399
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961673H1

<400> 16399

<400> 16402

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<210> 16403

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 700961680H1

<400> 16403

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agaccgatct tgcacgttca gggaggccaa tgcggttaacc aaatcggttc caagttctgg 120
gaggtgctct gcgacgagca cggcatcgat cccaccggaa agtacaacga ggaaggcaac 180
agcagcatcc aactcgagag gatcaatgtg tattacaacg aggcctctgg cggaaggtag 240
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<210> 16404

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700961681H1

<400> 16404

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tgtttctgta aggagaaggc taacattttt ggataatgct ttggaaagca tgtgctcgag 180
ctcttcaaga tcgggaagtc cagccacagg aaagcttata ctgtttgatt cccagtcctc 240
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<210> 16405

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700961683H1

<400> 16405

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tgacgttgac ctgggaaaat ggttaccaga aaagagatga ggtaaggaa agtatgtggg  180
gtgacctcag tttcaaatcc ccagatgagt tatattcttc aagcgggtga                229
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<210> 16406

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700961684H1

<400> 16406

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ctaagagtgt ctcgctctct cattcatgtc ccaactgtac gacggaggac aggttgcggt  180
tttgccacca acccttcgcc gcacgggtggg cgtggtgctt tgccttctga aggtggtagc  240
ccttcagact tgctcttctt a                261
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<210> 16407

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700961685H1

<400> 16407

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gatttaaaca tgctagacct ttctcataac aatttctctg gtgttatccc caaatgctta  180
ggtaaaatgc cttttgagaa taagaacccg aaggacttgt tagcaagatt ttctatcttt  240
gatccagatc tccatatcca t                261
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<210> 16408

<211> 258
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961686H1

 <400> 16408

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 ggcaaatcct aaggaactga atccatatct gaaggataat ggaagtgggtt acccggaaga 180
 aagtggagct aaagttgggtg ctgaccaact tctatcttct tcccttggtg gggatggagg 240
 agcaagttgg agacttaa 258

<210> 16409
 <211> 259
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961688H1

 <400> 16409

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 cggaatgct tgctgggagc tctactgcct cgagcacggc atcgggcccg atgggcaaata 180
 gccaaagtac aagacagttg gcggtggtga tgatgcttct aatactttct tcagcgagac 240
 tgggtgctgga aagcacgtg 259

<210> 16410
 <211> 263
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961690H1

 <400> 16410

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 ttggcacttg caattagtgt cgaagatgag tacgttggat gcaacaaggg ctgaacttgg 120
 tcttcttgtt ttatatttgg gcaaggctga agcaaggac aaaatatgca gggcaatata 180

tagcattttg gtgttttttg tctctttatt ttgacctatt tacaaaattc gttgttttgt 180
 gctttgttct gtgttcagag tgcatgggg gcacaaaaaa agttttattt ttgttgatag 240
 agggttttac tcgattgaca cgtcgctgct tctg 274

<210> 16414
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961610H1

<400> 16414

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 acagttacca aggggtgtgga ccatgttttc aatcttgctg ctgatatggg tgggatgggt 120
 tttatccagt ccaaccactc agtcattatg tacaacaaca ccatgattag cttcaacatg 180
 attgaggctg ccaggatcaa tgggtgttaag aggttttttt atgcctctag tgcttgatc 240
 tatectgaat tcaaacagtt ggagacaaat gtga 274

<210> 16415
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961611H1

<400> 16415

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 aagcccaagc caccggttta caagcccaag ccaccggtt acaagaaacc cccttatggt 120
 aagtaccac cagttcaaga caacgatcac ttctaaacca tgcaacaagg catgttaatg 180
 ttaactatct actaaaataa agagggttcag ttaacctact acgtacgttg ctccttttaa 240
 ttctaaatc gtaatttaca actttgtagg gatgag 276

<210> 16416
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961612H1

<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700961618H1

<400> 16419

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ttcttggttt tcaacattat cttgtgattc tcggtacaac tgtgctaatt cccactgctc 120
ttgttcccca gatgggatgt ggcaatgagg agaaggcaat agttatccaa actctacttt 180
ttgtagctgg aattaacaca ttgctgcaaa ctctgtttgg cactcgattg cctgcagtaa 240
ttggaggggtc ttatacttac gttgca 266

<210> 16420
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700961620H1

<400> 16420

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taaagagcat gaccatcgcc atattgatca caatatggaa gggatatttt tgcattgtct 120
tgctgacacc atggggagtgt ttggtgttgt tatacttacc ctgttgatta agtaaaagg 180
atggcttacc gctgatcctg cctgctcaat ttttatttct attctaattg tatcttctgt 240
gatacctttg ctaaaaaatt cagcaga 267

<210> 16421
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700961621H1

<400> 16421

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aagcgacttc atggatgtga tgatatctgc tttccaagag gaagaagaga tttgtgggta 120
taagcgggag atgggttatca aagcaacatc agtgcttctt atccttactg cctcaggaag 180

cacagccata acactaacat gggcactctc cttgctccta aaccatccaa aggtcctaaa 240
 agcagcccaa aaagaactgg acacccattt 270

<210> 16422
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961622H1

<400> 16422

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 catcttcact tccaggctta ttatttggat ctgcccttcc caattgagaa tgccccact 120
 aagaaaattg caagttttaa tgggtgggtg aagatatctg aactgttgaa gtatccagtt 180
 agaggtctcg tctttgaggg tggcgatacg ctggaagatt tatcaaagt tgtttcagat 240
 gcctgtatat gtcttcagaa caacaacat 269

<210> 16423
 <211> 88
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961623H1

<400> 16423

tgcaaattct tcccgacat tcaactgggaa aactcaacaa tgatgtacag gatagcaaga 60
 gagatcaaat gtcaagcagc tctgattc 88

<210> 16424
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961624H1

<400> 16424

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 aggaaagatg gaacttgggtc ttggaattca tggagaacct ggggcagctg tggctgatat 120
 tcagcccgta aatgtgggtg tttctcatgt tctgcagcaa attttgtcca cggaacaaaa 180

002220" E F F E S 6 0

aaaaaacttg tcttttaagt ttttaactcta agccatggct cttccccctgt tctcctctg 60
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 ttcgaaaacc catttcaaca gtaccacca gcttctcaaa tctacctcca ctcgctcagc 180
 ctcacgcttc cacagaa 197

<210> 16431
 <211> 267
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961638H1
 <400> 16431

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 tccaagcaga taagtccatt ttctacaatt gctcaatgga tgggtatcag gacactcttt 180
 atgtacacac catgcgtcaa ttctatagag attgcacgat ttcaggtacc attgactttg 240
 tgtttggtaa tgcacttgct attttcc 267

<210> 16432
 <211> 269
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700961640H1
 <400> 16432

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 cctccggggtc cacggccctg gccggtagtc ggtaacctct acgacataaa acccggtccgc 180
 ttccgggtgct tcgcgagtg ggcgcagtct tacggcccca taatatcggt ttgggttcggt 240
 tcgaccctaa acgtcatcgt ttcgaaactc 269

<210> 16433
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961643H1

<400> 16433

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acaccaatgg aggcgccaca acccggatcc agcccggttac gcaaaatgat tttgggtgtca 120
tcaatggcgg ccggtatcca attcgggtgg gccctacagc tctcccttct caccatcat 180
gttcacaccc taggcgtccc gcacccttgg gccctattta tttggctatg tggcccgata 240
tctgggctgc tgggtgcagcc attgtgg 267

<210> 16434

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700961644H1

<400> 16434

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tggccttcag gcttctttca aatggtaaca tggctcttct tgatgcacaa ggccgggttcg 120
tttggcagag ttttgatcac cccacagata cccctttggg tgggtcaatat cttagagcaa 180
aagggccatc caagttgggt agtaggctct cagagaagga aaatgttgat gggccttata 240
gtttgggtctt ggagcctaaa ggggtta 266

<210> 16435

<211> 113

<212> DNA

<213> Glycine max

<223> Clone ID: 700961646H1

<400> 16435

aaaagttttt gaaatgttgt cacccttct tctatttcta tgcctaactc ttcctttgtt 60
gtcgttgtcc ttctgcaaat accgtaaaac cttcaaggat ccaccacttc cac 113

<210> 16436

<211> 197

<212> DNA

<213> Glycine max

<210> 16439
 <211> 238
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700961558H1

<400> 16439

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 tccagtacaa tgatggactt gatcattttc ggctgtctcc agcagaactc cgtgctgagt 120
 tcacaaggcg caatgcagtc gctgtgtttg ccttccagct ccggatcctg gtttcacaat 180
 ggccacgctt tgctaactca ctgacacccg nagggcggctt cttgagatgg gttataag 238

<210> 16440
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961560H1

<400> 16440

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 agaaaggaat tggcttccaa ctatgagcaa gttaaggctt cgattgattc atccgagttt 120
 atgtgtaagc atgattcaac catgactttg tctgcactaa ttgaagcaag gaaacgggaa 180
 gaaagcttga agaaggcagt aggagtcaca gaggcataatg aagcgcagaa aaaatcaac 239

<210> 16441
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961562H1

<400> 16441

aacctttgtc aattttctttc ttgttcgact ctgcttcttt ctccaacttc acacacacac 60
 acacacaaaa aaaaaaaaaac ttggcaaagg atagaacaat tgggtgtggct ctggattttc 120
 ccaaaagcag caagaatgct ctgaaatggg cacttgagaa cttagccgat aaaggtgacc 180
 ccatttatgt cattcacatt aactccaact ctctagacga gtcccgaac aagctatgg 239

<210> 16442
 <211> 238
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961564H1

 <400> 16442

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 attcaatggt gcatgttatt gtatataaaa aaaatgggtcc ccatatacgt gacacgtgta 120
 tgccctattac gttgatttac tttcttgtat aaactaatgt aactaaaact atgattattg 180
 ttgggttggtt tgtgctttaa tttgttgagc actactccat tgtttgtgat cacaaaag 238

<210> 16443
 <211> 233
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961567H1

 <400> 16443

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 actttttgcgc tttgggggttc ccttggttgc tgttatcacc ttctgttatg ctacttctac 120
 tgctgcagca acaactcgag tctcagggga tgtagagctg ccaaagacaa acctaaatgg 180
 gcatcatgaa gaagcaaaat tcggattttt tcatcataaa ccaatattca aga 233

<210> 16444
 <211> 228
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961568H1

 <400> 16444

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 ggtcaccata atgaggctca aggttgatct tcagtgccac aaatgctaca agaaggtaa 120
 gaagattctc tgcaaattcc ctcaaatecg tgacccggtg tacgccgaga agaataacat 180
 cgtgaccatc gcggtggttt gccataacct tgagaagctc agggacaa 228

<210> 16445
 <211> 235
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961569H1

 <400> 16445

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 gttttttctc taggtttttc gcgatggcgt cgaagcgaat tttgaaggag cttaaggatt 120
 tgcagaagga tctccaaca tcttgcaagt cgggtcctgt tcatgaagat atgtttcatt 180
 ggcaagctac aattatgggt cctccagaca gtccctatgc tggaggtgtt ttctt 235

<210> 16446
 <211> 239
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961570H1

 <400> 16446

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 ggaagaagct gctgccatgg ctctctcacc cccatccttg gctggcaagg ccgtgaagct 120
 gggcccatca gccccgctag tgggaagggt gagcatgagg aagaccgtca ccaagcaggt 180
 ctcttcagga agcccatggt acggcccaga ccgagtcaag tacttgggcc cattctctg 239

<210> 16447
 <211> 55
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961573H1

 <400> 16447

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<210> 16448
 <211> 235
 <212> DNA
 <213> Glycine max

<210> 16458
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961591H1

<400> 16458

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 gatgcattcg atggaaatat tttgagcctt gagtttgata attttgctga agtgcacaaa 180
 ctctatgaag gtggagttac actacctaca aactttctta gcaagatcgc cccta 235

<210> 16459
 <211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961592H1

<400> 16459

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 cccgagtcag cagctgcgtc tattgcacga gggccctgac accgtagaag agcttctgga 120
 gaggcattctc gttaaaaaca aaaacgaaaa ccagttggag aatcagaggc aactcaccag 180
 cactcgccgc gaacgctctg tctctaccgt gacattcttc gggccacccg cct 233

<210> 16460
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961594H1

<400> 16460

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 cctcatggca tcaacaaaga gcatgttcat gtccttcgcc atcctcctcc tcctcgctct 120
 cttctccgcc accgtgtccg ctccaggctc tccaacaccg gctccggatg ccggagcagc 180
 tggatcagtc tcgagctctg cctccgtcat cggtgctgcg gttgtgttgt ccat 234

<210> 16461
<211> 227
<212> DNA
<213> Glycine max

<223> Clone ID: 700961595H1

<400> 16461

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gccactgcca ttggagttct ttctataacc ctcttctttt ggtttttgta taatcccttc 120
aaatttgcat taggtaaaaa agaggctccc aaagttgcag gtgcatggcc aatacttggt 180
cacctaccac tattgagtgg ttcagagaca cctgatgtag gtttggg 227

<210> 16462
<211> 233
<212> DNA
<213> Glycine max

<223> Clone ID: 700961596H1

<400> 16462

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ctctacccta tctttcacgt atcgaaacct taaatttacg atcaggtctg agcaatctgg 120
ttggtagaac ctttggtctt agtgagtcaa gttttatgtc tgaattagac gatcaaattc 180
ctactgcctt cgatcctttt gctgatgcaa atgctgatga ctcggtgtgt ggg 233

<210> 16463
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 700961601H1

<400> 16463

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tactgagtc gttgtcttgc ggaggataat ggacttgta tgaacttcta caaggaatca 120
tgccctcagg ctgaagacat catcaaagaa caagtcaagc ttctctacaa gcgccacaag 180
aacactgctt tctcctgggt cagaaacatc ttccatgact gtgctgttca gagttgtgat 240

gcttcactgt tgctggactc cacaagaagg agcttg

276

<210> 16464
<211> 194
<212> DNA
<213> Glycine max

<223> Clone ID: 700961602H1

<400> 16464

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tttccttcac atgtagtctc tcccttgcta tgtccagtaa ccagttggag cagtttgctt 120
cggaggaaga agtgtttcaa ctattccaag cgtggcagaa ggagcataag cgtgaatatg 180
gcaaccaaga ggag 194

<210> 16465
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700961556H1

<400> 16465

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ggccatcgac gtcgctcaag tccatctatc caatttccga tcaccattat ggaatggatc 120
acgagcgta cgtttctacc ctgccacca agggagttgg tcacctcggt cgtaagggca 180
ctggtggacg atcctccgtc agtggcatta ttgctacagt atttggggca actggattct 240
ta 242

<210> 16466
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 700961603H1

<400> 16466

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tgagcttcgt catgtgagct tcaagtatcc ttctaggcct gatatacaga tttttcgaga 120

cctcagcttg actatccatt ctggcaagac agtggctctt gttggtgaaa gtggaagtgg 180
 aaaatcgaca gtgattgcct tgttgccaag attttataat cctgattcag ggccaatcac 240
 acttgatggg atagaaattc gtgagttaca g 271

<210> 16467
 <211> 267
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961607H1
 <400> 16467

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 taatgatctt gtcaagagag gagttgcggt taaggatcca tctgctcccc atggagtctg 120
 gcttttgatt gaggactatc cttatgcttc tgatgggcta gagatatggg atgccatcaa 180
 gtcttgggtg catgaatatg tctcattcta ctacaagtca gatgcagcaa ttcaacaaga 240
 tcccgagctc caagcttggg ggaaaga 267

<210> 16468
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961506H1
 <400> 16468

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 ggggtgcaat gcttgatata tgggggaactg atggagaagt tctgcaacta attttgcctt 180
 cggaagaatg aggtgttgaa gctagtatct actagtgaga agaattacaa ggaccgtttg 240
 gaaaatgc 248

<210> 16469
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961507H1

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 ttcttttttg tgccacttac caaggcacac tgcaccgata ccgtttcttt caccttcaac 120
 aagttccacc cagtccaacc aaacattatg ccccaaaaag atgctagtat ttcactctct 180
 ggggtgttac aactcaccaa agttggcagc aacggcgtgc ccacctcggg atctctcggg 240
 cgtg 244

<210> 16473
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961513H1

<400> 16473

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 ggcggaggcg gaaggcgca acatcgtttt gcagccgcgg ttgatgcaact ctgagatcct 180
 acggttcgga tcgagccggg gtgcttatca agactcgcaa ggagggtgac catgatgacg 240
 tgtcac 246

<210> 16474
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961514H1

<400> 16474

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 tcactagcct cttctgcatt ctgtgccttt ccacggaggc cagtggatgt tccattcggc 120
 agaaactacg ttcccacttg ggcttttgat cacatcaaact atttcaatgg aggttctgag 180
 attcaacttc atcttgacaa gtacactggg actggcttcc agtccaaagg gtcatacttg 240
 tttggt 246

<210> 16475
 <211> 116
 <212> DNA

<213> Glycine max

<223> Clone ID: 700961515H1

<400> 16475

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ttcctctctt gttatccagc aaccgggttg gcggcgcggc ttctgacaca acatac 116

<210> 16476

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700961517H1

<400> 16476

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aaagttcgct cctttctcag ttttcaccca taccagatg ggtaacagca ccatctcgga 180

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<210> 16477

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700961519H1

<400> 16477

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acgcgaaaca cctgattccc ctagccagac gcagcagagt cagagagaga gattcactga 120

aacagagcga gtaagaaaat acataaacta atccagaaaa tgagcagcgg cgctggaaaag 180

gtggtgtgtg tcaccggcgc ttccggttac attgcttctt ggatagtcaa attcctcctc 240

aatcgcg 247

<210> 16478

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700961522H1

<400> 16478

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 ttgtagtggc attgctcttc tgactagtaa aattgctgaa aattactgag gtaaatggat 120
 tgtggtcaca atcccttaca ctatcgtttc actttgatca gaaaaaaaaac aaaaacacta 180
 agtgacacga gcagtcatat tcatcactgt gccacgtttt actgattgca ttggtagtag 240
 gtatct 246

<210> 16479

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700961523H1

<400> 16479

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 aaaagaagag tttggaagtg gggttcaaga acccgagaag aacaagttgg ttttcttgag 120
 ggaagttctt ataattttga tcttgaggat ttgctgagag cttcggctga agttctgggg 180
 aagggtagtt atggtactgc atataaggcc atactggagg agtcaatgac tgttgtggtg 240
 aaaag 245

<210> 16480

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700961524H1

<400> 16480

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 tgattgatgg caaggacatc aggaaatata acctcaagtc cttagaagg cacatttctg 120
 tggtacctca ggagccatgc ttgtttgcta ctactattta tgaaaacatc gcttatgggc 180
 atgagtcagc cactgaagct gagataattg tggctgcaac tcttgccaat gcacacaagt 240

tcatat 246

<210> 16481
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700961525H1

<400> 16481

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tcgagatatt ctaaacttgt actgaaaaat atggagggaa aagaagagga cgtaagagtt 120

ggagccaaca ggtacggaga gaggcagcca atagggaccg ctgctcaggc taaagactac 180

agagagccac cgtcggcgcc tctcttcgaa ccgggagagt tgatcatctg gtctttctat 240

agggc 245

<210> 16482
<211> 246
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700961527H1

<400> 16482

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agcccaaagc taaggctcgc cgccacaacc accatcgtct gcagcaccac caacaacaac 180

aacaacaaca acgtgtcttc cgacctgaag gcgttctccg ccgcgctggc cctctctctc 240

atcctc 246

<210> 16483
<211> 193
<212> DNA
<213> Glycine max

<223> Clone ID: 700961528H1

<400> 16483

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caactttctg ggacccttta tgttttgcaa gaccttctc tccaagatct gtacaattct 120
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 aatccacaca aca 193

<210> 16484
 <211> 104
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961533H1
 <400> 16484

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 ccttcgtaga tctcaatcga agccctcaat ttccacacaa cata 104

<210> 16485
 <211> 75
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961534H1
 <400> 16485

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 tccaacaact tctca 75

<210> 16486
 <211> 197
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961536H1
 <400> 16486

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 cacatatctc catcccaaga acaaatcttg gccactgctc catttgctgg agcagtacag 120
 gacaccgcca cctccgctc ccatgacatc gacatgctgc cgttgccgga ctccgtcccc 180
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<210> 16487
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961537H1

<400> 16487

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 aatcagagca gactcagcag caacatcagc atgggatggg cgttgccaca ggtgctagcc 180
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<210> 16488
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961538H1

<400> 16488

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 tagctggtgg tgccggagag aaaccattc cacttggtga gaacgttctg cagaagcatg 180
 ctgcattctt tgacttgaat aaagatgggt tcatctaccc atgggagact tttaaagggt 240
 t 241

<210> 16489
 <211> 97
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700961539H1

<400> 16489

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<210> 16490
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700961541H1

<400> 16490

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tcccccaaca ccactacca caacaaggga attccaacaa caacaacatg ggagagaaca 120
aaccatcaga ggtaaggat ttccagatag tggtagctgc tgagaaggac gagagcaaga 180
agcagcaaca gttggacaaa acgggtgttt ccaacaagga caggcacacc aaggttgagg 240
gcagg 245

<210> 16491
<211> 117
<212> DNA
<213> Glycine max

<223> Clone ID: 700961542H1

<400> 16491

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<210> 16492
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700961544H1

<400> 16492

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caatattaaa ggagttgcta ttggaaaccc acttttgaga cttgaccggg atgcacctgc 180
aatttatgaa tacttctggt cacatggaat gatttctgat gaaattggcc ttgccattat 240

<210> 16493

<211> 111
<212> DNA
<213> Glycine max

<223> Clone ID: 700961547H1

<400> 16493

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<210> 16494
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700961505H1

<400> 16494

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tcattctttcc ctctcatcca ggtatggctt cgatacgcat cctgaagggtg ctcaaggatt 180
tgcagaagga tcctcctacg tcatgcagcg caggtcctgt agctgaagac atgtttcact 240
ggcaag 246

<210> 16495
<211> 165
<212> DNA
<213> Glycine max

<223> Clone ID: 700961549H1

<400> 16495

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ttggatcgcc tggttattat ccagcttctc tatcatatgg agagt 165

<210> 16496
<211> 115
<212> DNA
<213> Glycine max

<223> Clone ID: 700961474H1

<400> 16505

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 atgtagatag agctccgtca tctgtaaaca ttttacaata tattcttttg tttggcaatc 180
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<210> 16506

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700961475H1

<400> 16506

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 catgctggaa gacgtatcga gagatagaag ggcagaattg cttgcaaaat ggagatctaa 180
 aggtgggtgct tttttgattg gttatgctgc tttccgaaat ttgtcttttg ggaagcatgt 240
 gaaag 245

<210> 16507

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700961476H1

<400> 16507

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 taccatgggtg gtgacgggtg acggagaatt agggttcgat tccggagagg gaggcctgaga 180
 aacggctacc acatccaagg aaggcagcag gcgcgcaaata tacccaatcc tgacacgggg 240
 aggtag 246

<210> 16508
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961477H1

<400> 16508

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 gaaacagctc ttgagcatct tgttttagca agcatggcaa tggttaagtaa cgaccaagaa 180
 gcagaagtgg catctgttga ctgcagcatt ggagacacat acttatcctt gtctcgatat 240
 gatgagg 247

<210> 16509
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961480H1

<400> 16509

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 tcctttgagc tctccttgga ggcttatgga atcaaacc tcaaagcatc tgggagcggtt 180
 tctcacttcg ttgatgatca cggcgcttac aaggtgacaa ttgtggctat ggagcattat 240
 gaggc 244

<210> 16510
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961481H1

<400> 16510

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<213> Glycine max
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 gccaccaat gtaatgttaa tgcagcagat ccctaggcaa aatcctgagt attcgttggt 120
 ggagactagt ccaccactgg cggtctgttt gcgctataga ggaggaggag gaggggacaa 180
 gatatccacc acctacgact tagtggaaaca gatgaattac ttgtacgtga atgtcgtcaa 240
 ggct 244

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 <212> DNA
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 <223> Clone ID: 700961490H1
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 aaggaaaagg ttcacatcag tattgtggtc attggccatg tgcactctgg gaaatccact 120
 accactggtc aaccgattta caagcttgga ggcattgaca agcgtgttat tgagaggttt 180
 gagaaggaag ctgctgagat gaacaagagg tctttcaagt atgcctgggt gctggacaa 239

<210> 16518
 <211> 218
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961492H1
 <400> 16518
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 tggcactgct gcaagtgcaa tgccaagaag gcgcagtgcc aagccaccat gtttcaacat 120
 tcaacagaag ccttttgcct gcgactgttc tctttggact tggttcttct gcttaccagg 180
 cagaaggagc agcaagtgtg gatgggagag gaccaagc 218

<210> 16519

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246

<210> 16522
<211> 254
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700961501H1

<400> 16522

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gacgagcgag ggtgcgacta tgacctgcga cttcgatctc cggcaatccg cgtggagggtt 120
cgtccagtaa aacggcgccg tatagcggga tctgcgacgc tgggcggagt ggcaatggag 180
ggcgagaacg cgagcaacaa ggtgatcgag ttgacgaacg agatagccag catctccgat 240
tacaggcctc cggt 254

<210> 16523
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700961502H1

<400> 16523

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gccaaactgat ggctggattc aatgcaccgc tagcgctacc atctccgtca tatggaaatc 120
atacaaccat tctcagcata gacgggtggtg gtatcagggg cattattcct gcgactgttc 180
ttgaatactt agacaaggct cttaaggcta aggatccaac aacatcttta gccattatt 240
ttgatgtgat 250

<210> 16524
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700961504H1

<400> 16524

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ctgttccagt tttgggtcaaa ccctacaaat ccattctctc togagcattc ctcttcagct 120
 cccctgcctg aacatctcat tctcacaata ctcaatttct tagatccgtc acgtttttct 180
 ctactacttc tcttcgtaat ttttaattcac gctcaaccca tctcaacgat gctggctcta 240
 tcgactctc 249

<210> 16525
 <211> 138
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961467H1

<400> 16525

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 ttctccttct ccacacaa 138

<210> 16526
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961430H1

<400> 16526

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 agatccagcc caattaatct ctctctctag aatgtcttcc cagcgcgcag atctagagtg 180
 ccggatcttc ccggtcgccc gaaatcgacc acttcgaccg gctaccggac tcgctcctcc 240
 ttttggtttt caac 254

<210> 16527
 <211> 253
 <212> DNA
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<223> Clone ID: 700961431H1

<400> 16527

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 gggcagctcc tctgctgtct ccagttcacc atgctcctcc tccagccct gctcagagt 180
 gtggtggatc tatgcttggt ggcattggtt caaccatagc tcaaggtatg gcttttggca 240
 ccggaagtgc agt 253

<210> 16528
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961432H1
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 ggttttggcg aggacggtgt accctacgac ggtggtggct gtgcatggtc atttccggag 120
 aagaaggggg cggcgatttg tactttctcc ggaagcggcg gcgcgcatga gacagccggc 180
 ggaggaaagg ggagaagggc catgctggtt tctcgggtcg tggcgggtcg ggtctcgaag 240
 caactcgggt ttc 253

<210> 16529
 <211> 216
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961434H1
 <400> 16529

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 tcgaatcttc tgaaaccct agcgtcgtac ttatcactac gacgccgttc ggtttcgact 180
 tcgtcagacc cactcagat agagacctcg gtgcc 216

<210> 16530
 <211> 167
 <212> DNA
 <213> Glycine max

<212> DNA
 <213> Glycine max

<223> Clone ID: 700961439H1

<400> 16533

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 gaagaagggt ttggaatccg tcaaggagct cgtgaacgac gcgaacttcg actgctcctc 180
 caccgggttc tccctccagg ccatggactc cagccacgtc gccctcgtcg ctctcctcct 240
 ccgatccgag ggctt 255

<210> 16534
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961440H1

<400> 16534

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 cagtcccagc ctccgatcgc aacgccggcg ttccgcgcct tcattctccg catctcctcg 180
 tccctccgtc acgcctttgc gcagcgccgc ccgtgggcga gctcatcgac cggagctcca 240
 tgtcccgacc tgaca 255

<210> 16535
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961441H1

<400> 16535

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 attggtttct gaaggtataa ttacaagaca agacataaaa gaagccaatt ctggtaacgg 180
 gattagagtt catagtattg gtttaccagc atattgctta gtccaggac tctagcgctc 240

gcttcgcagc ctgaaatcaa aatttgtctc tttaacgaat cagaatggta aagttacctt 120
 tggagatttg ccgcctttga tggtagcgct aaacgcattc agagatatgt acagtgagga 180
 tgagattagg ggtatcttgg gtgaatcagg cactgatttt accaatgaca ttgattttga 240
 agcc 244

<210> 16539
 <211> 220
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700961446H1

<400> 16539

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 catggcgagt aggaggtgcc tgcgagcggt aactcaaacg agaccgtttc tcttccgaaa 180
 agcatcctct cttcgtctac tcgccgtgct tccatttccc 220

<210> 16540
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961449H1

<400> 16540

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 tgaacacaaa ctaaaccatg acaagcgatg aatgagatta cctaccctct ttgcccacgt 120
 aataccgcg tgacccaaa cgtgttatac cccaaagtcg cactgttgg acttcctctt 180
 cccatttttc actattcaca gtccaaacaa cacaccta aa ccagccaacc agtcacgcac 240
 actaactctt accca 255

<210> 16541
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 <212> DNA
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<223> Clone ID: 700961455H1

<400> 16544

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 ccagcaaggg aaggatcaca atgagccctg catcgtcacc gtcaattgcc ccgacaaggc 180
 tggctcggc tgtgatcttt gcagaatcat cctcgagttc ggtctccgca ttacccgtgc 240
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<210> 16545

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700961457H1

<400> 16545

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 gggctcttct gggacaggta agactttact ggcaaaggct gtggcagggg aagctgatgt 180
 gccatttata agttgttctg ctagtgagtt tgtagagtta tatgttggtg tgggtgcttc 240
 ccgtgtgag 249

<210> 16546

<211> 134

<212> DNA

<213> Glycine max

<223> Clone ID: 700961458H1

<400> 16546

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 tcccgtggcg gtgaagcgct catcgcgggc acaccataat gttccccgac cggctctcttc 120
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<210> 16547

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700961462H1

<400> 16547

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gtagcttttc taacaacaaa ggttggtttta tctgatgaca ctgtgccaat tcccgcgaac 120
aaagcacaat taggtgaatg gtataatact aatgtggggc ctttagatca aagaaagagc 180
actgtggacc cagcattggg gactgctgaa gaaggcgcta aggttggtcaa ggtgatgcaa 240
gatgg 245

<210> 16548

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700961463H1

<400> 16548

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catcaccaat catcaacaca acgcccatta ttatttaaaa atccttaata tattattatt 180
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<210> 16549

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700961464H1

<400> 16549

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caggtccgcc gccacaacca ccacgtctg cagcaccacc aacaacaacc acaacaacaa 180
cgtgtcctcc gacctgaagg cgttctccgc cgcgtggcc ctctctcca tctactctc 240

cgc

243

<210> 16550
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700961465H1

<400> 16550

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aaaaattaag ggcaccacat tatatggatc acgaacatta ttcttctca ctgatcaagg 120
gacattaaag ccattagcta ttgagctcac tagaccacct atggatggaa atccacaatg 180
gaaacaagtc ttccaacctt cttgtgatc aaccaaactc tggctttgga ggcttgctaa 240
agctcatgt 249

<210> 16551
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700961466H1

<400> 16551

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cagcttcaga atcagacgtt gatctgtag aatttcctt aaatttagaa tacttgagg 180
ctgagttttt cttatttggg tccttgggtc atggattgga tgtggttgct ccaaatttaa 240
gtgaggagg a 251

<210> 16552
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700961428H1

<400> 16552

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0022E0"ETFE560

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acacaagatg gagggacaga agttgtagaa gctaaggctg gaaagggttc tgcaactttg 180
tcaatggcct atgctgggtgc cctttttgct gatgcttgcc tcaagggcct caatggagtc 240
ccagatgttg t 251

<210> 16553
<211> 235
<212> DNA
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<223> Clone ID: 700961379H1
<400> 16553

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cccgtgggtt tggctttgtg acaatggaga ctcttgagga ggctgaacga tgtgtaaagt 180
atctgaatcg ctctgtactt gaagggcgtg tcatcacggt ggagaaggct aaaag 235

<210> 16554
<211> 236
<212> DNA
<213> Glycine max
<223> Clone ID: 700961380H1
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ttcgacgtga acggcgacgg caagatctcg gcgtcggagc tggggtcgat catggggagc 180
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<210> 16555
<211> 229
<212> DNA
<213> Glycine max
<223> Clone ID: 700961383H1
<400> 16555

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cacattttca gaaaagctca atagccctcc ccagagagga acaccctttg at 232

<210> 16559
<211> 233
<212> DNA
<213> Glycine max

<223> Clone ID: 700961387H1

<400> 16559

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cctttccacc tctctcttct ttccaaactcc aactctttct tccctctgcc cttctttcct 180
ttccaaatta ccaaagccc cctctcccct cattgtttta tgccacaggg acg 233

<210> 16560
<211> 230
<212> DNA
<213> Glycine max

<223> Clone ID: 700961390H1

<400> 16560

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ctcaaggaag tcatggccac aaagggaaaa atcttctctg tcatggaata cgttaaaggc 180
ggtgaactct tcgcaaagt caacaaagga aaactcaccg aagatctcgc 230

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<213> Glycine max

<223> Clone ID: 700961391H1

<400> 16561

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002220 "CTT650"

ggatgcgttt ctgcggtctg ttgattgtgt tggtttgttg agtgtggcgt taacgtaatt 180
tggttttgag tgaagatgat tttgtgatgt ggttgagtga gtggtttttg 230

<210> 16562
<211> 61
<212> DNA
<213> Glycine max

<223> Clone ID: 700961393H1

<400> 16562

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g 61

<210> 16563
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 700961394H1

<400> 16563

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tcaacctcag tggtgccaca aggccagctc catctgcttc tagccctgcc tccttcaaga 180
ctgtggctct tttctccaaa aagaaggctg cacctccaaa aaaagctgca gctgct 236

<210> 16564
<211> 235
<212> DNA
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<223> Clone ID: 700961395H1

<400> 16564

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aactccaatg atttcggtac acgtgtcgcg tttccattcg acgacaactc aacgaacgca 180
ttcatttacc tggattctat gcatgcgaca atgtttaatg tgctgtcata gacga 235

<210> 16565
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700961401H1

<400> 16565

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gatggaaaag ctagcaaggg tctgcgcaag ttcctgctg ttcattgtga aaatgaaaca 180
ctaggtgtgg cagattcaaa gcttggggaat gtgatcaagg agaaattgaa aattgactgt 240
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<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700961402H1

<400> 16566

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caccatctac attttccatg caaaacacaa ccctgatata ttaattgagc ggatgagaaa 180
ctctcttagc aagattttgg ttcactacta tccaatagcc ggccgattgc gcaggataga 240
agggcgtggt cgattgga 258

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<211> 128
<212> DNA
<213> Glycine max

<223> Clone ID: 700961407H1

<400> 16567

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caaaggat

128

<210> 16568
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700961408H1

<400> 16568

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tttccctcca cttttctctt tggatttggg tcttctgctt accaggcaga aggagcagca 180
agtgtagatg ggagaggact aagcatatgg gacacctaca ctagacagca tactgaaaag 240
at ttgggatc atagcaccgg t 261

<210> 16569
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700961409H1

<400> 16569

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cactccgtgg aatgactgct ctcgtcacag gagccacccg aggcataagg catgccattg 120
ttgaagaatt ggagactttt ggagcaactg ttcatatatg tgcacgtaat caagatgata 180
ttgataagtg tttagaagag tggaaaaacg agggacttaa tgtgactggc tcagtatgtg 240
atttacaatg ttctgacca 259

<210> 16570
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700961411H1

<400> 16570

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 ttagcactct gtttctctgc ttaaccatgt cccaatcact gaagctaatac caggaataacg 180
 cctccaaccc caaactctgg ttggtcattg gaataggagt tgccggaatac gtggttcttg 240
 tggagaca 248

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 <223> Clone ID: 700961419H1
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 gtttctctca tctcgggtggg ttggagtggcc atagtgtgtg tggtggccgt caacaagaag 180
 ggcgaggatc ccacacttca atctcaacaa aaatcagtag gggttatctg ccaaaacact 240
 gatgaccaga agctctg 257

<210> 16575
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961422H1
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 aggaaagagc aagactgaaa cttcagaagg aaaagaaggc caaagaagag gctcagaagc 180
 aaaaggacag ccacgaagc tgttcaaaga tctcgtcgta ttgatgccgc tcaagctcaa 240
 ctcaaggctg cccaaca 257

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 <211> 256
 <212> DNA
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<223> Clone ID: 700961423H1

<400> 16576

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acttctaccc caagcacacg caatggagcc gtggacagtc aagtcaaate caatccacga 120
aatcatttga tcgatggaca gcatcggtgt ggtaaaggcc gtaatgccag aggaatcatt 180
accgcagggc atagaggggg aggtcataag cgtctatacc gtaaaattga ttttcgacgg 240
aatgaaaaaa aacata 256

<210> 16577
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<223> Clone ID: 700961424H1

<400> 16577

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gatgacttcg ccatcaaate ctctcattct ctcttcttca actccctcaa atctcgcggc 180
ttcgatctcc aattccacac aac 203

<210> 16578
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700961425H1

<400> 16578

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gtcgtcgagc acagttggtc aagtcacaa atgcaaagct gcggtttcat gggaggcagg 120
gaagccactt gtgattgaag aagtagaggt ggcaccacca caagctggtg aagtgcgttt 180
gaagatctc tacacctctc tttgccacac tgatgtttac ttctgggaag ccaagggcca 240
aactccattg tttc 254

<210> 16579

<211> 116
 <212> DNA
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 <223> Clone ID: 700961426H1

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 <223> Clone ID: 700961427H1

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 cagctcttcg atcgctttaa ggcttcgttt atcaggaacg actttgatac ctgttccaat 180
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 gatacaccta 250

<210> 16581
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 <212> DNA
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 <223> Clone ID: 700961377H1

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 <223> Clone ID: 700961328H1

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 tg 242

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<223> Clone ID: 700961345H1

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 acgacgtcgt tgcactccac ccctgttctc agccccatgg gttccccctcc tcaactctcac 180
 tctctctcca gccgcttctc cgcttcacgc caccgcaata accataataa taaatcttgg 240
 a 241

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 ctctatttgt gacggttaaca tgtatagttg cagccatggg tggtttaatc ttcggttacg 180
 atatcggaat ttcaggtgga gtgacgtcca tggatccgtt tctgctcaag ttttttccgt 240
 c 241

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<223> Clone ID: 700961348H1

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 aatctcgtac gacagcgccc acgcggacaa ggccggccacg ttgcgcaccg aggaggagct 180
 gatgtccatg tacgagcagt ggctcgtgaa gcacgggaag gtgtacaacg cgctcggcga 240
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 tctttaccag tatattctgg agacaagtgt ctaccaaga gaacctgaat ccatgaaaga 180
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<223> Clone ID: 700961350H1

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 gtgacttggtg ggggtctgtg tcctgggctt aactgtcat tagggattata gtgtgtggct 180
 tacaccatat gtatgggggtg aagtctgtct tggaatcaat ggaggatata tgg 233

<210> 16597
 <211> 91
 <212> DNA
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 catttgctaa cctttttcatg aatcctttct gcttttagaaa atactgagca atcactgaat 180
 tggagtactc gcctaaagat agctctcggt tctgccaggg gattggctta cttgca 236

<210> 16601
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<223> Clone ID: 700961362H1

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 cgagtatacg gtccccactg tgcttccaga caacatgc 98

<210> 16602
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961365H1

<400> 16602

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 taaaatgtct gagggaaatg cagggaaagg aaagagaatc gccatcattg gcgtctcagc 180
 cttattgttg gtggctatgg ttgtggcaat cacagttggg gtcaatctca atgagaatgg 240
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 gggaaggtgt ttgtgaactt tttgagtttt tggagttgta attttcagga aagagatgct 180
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 atctcaagag ggggtgaaat ggcaggttct tgaagactgc tgcatatgga cactttggca 180
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 a 121

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CC22E0"CTT65B

aaaggaactt ggcaaaggag atagtgtatc tacttttgaa tttatcggta gtggtgttgt 180
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<212> DNA
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<223> Clone ID: 700961372H1

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agaaaatcgc catcattgggt gtctcaacct tattgttgggt ggctatgggt gtggcggtca 180
caattgggggt caatctcaat gagaatgggt ccaacaatga tatagaggac aacaagaa 238

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agagtacata tggatcgggtg gatcaggaat ggacctgagg agcaaagcaa ggactctccc 180
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accatgtagt taaccccttg accaactg ctgttggtgc tgaagtgacc catagattct 180
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cagaagggtc catggctatg atggtgaaac taaacctttc acttctggag gatattagcg 180
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<223> Clone ID: 700961376H1

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<212> DNA
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<223> Clone ID: 700961277H1

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tttcttttcg gaaccaatca tttgtcatca aacttcaca caacatacg 109

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<212> DNA
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<223> Clone ID: 700961278H1

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ctcgcaactcc gattccgacg cgggctccaa aaacaagcgc cgcaaccccg ccgccgacga 180
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<223> Clone ID: 700961281H1

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cacgttctca ctctcacttg aagcggctct cctcaatttg ttgccagcat gcaaatccat 180
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[illegible]

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 tc 242

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213

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249

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<223> Clone ID: 700961302H1

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atcacattta caactttgcc atgcgggaaa aaaggcctta agcgagtggag atttagtcga 180
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<223> Clone ID: 700961303H1

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ttctcaataa gcagaaatta gggaacgcaa caatggctca agcgggtgaa gaatggtata 180
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gttc 244

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<223> Clone ID: 700961305H1

<400> 16627

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 tectcttcct ccgccttcag cgactgcaac agtgacagat ctggcgaatt cgccaccgct 180
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 cgcca 245

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<223> Clone ID: 700961312H1

<400> 16631

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 ctaatctttc gcctattggg ttctactcct ttctctcttc gtttccgacg gatccaattt 180
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 ca 242

<210> 16632
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 <213> Glycine max

<223> unsure at all n locations
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 aaactcctct tccgtgccac tatcttagtc gactcatcc tcgtcttctt cttcaccttc 180
 aactaccctc cgctcgcccc agacttcacg tcccaccgcc aactccactc ccactcccac 240

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<223> Clone ID: 700961314H1

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atgttatttg gtttactctt tgcctcaatg ttctaagatg aactattttc tataacatca 180
tgatcaattt ccgttttatg ataaaaaaaa gtacaacgat ttccacaca 229

<210> 16634

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700961315H1

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ggatccatct gctcccatg gagttcggct tttgattgag gactatcctt atgcttctga 180
tgggctagag atatgggatg ccatcaagtc ctgggtgcat gaatatgtct cattctacta 240
caagt 245

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tttttcaata gtggaagcta taaccctagt tataacacct ctcttgaagg tcgtcgggaag 180
ttgtttgcta ttactaagga ggaggtgttg ttgttgaaca agcgaatgcc cgacttggca 240
attgc 245

<210> 16636

<213> Glycine max
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 tcgatccgtc acaatggtcg ttcgcaagcg cggtaggccc gacgtcaacc ttaacggcgc 180
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 <223> Clone ID: 700961323H1
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 <213> Glycine max
 <223> Clone ID: 700961274H1
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 actgtgtggg atttcagctt ccatgcttta ttcaagggtca cactaaatgc taaaagtcta 180
 gcgactgagt taacagttaa aaatacagac aataaagcat tctcatttag taccaccttc 240
 cacaca 246

<210> 16642
 <211> 259
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Table 1

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cttccgttac aaggaaattg agaatggaat gctgtgggaa gttgagggga agtggggttg	180
taaaggagca gttgatgtag acattggtgc aaacccttct gctgaggggtg gaggagaaga	240
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tgccagccga ggcgcccaaa acattgatgg acacagttct tacgttagca gaagccataa  180
ggttcgggtta cgccgagaca ctggggcaaat ggcacctctt ggacttgcca agagccatcc  240
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<223> Clone ID: 700961230H1

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acccttctgg	ccactgctat	tggaggcaaa	gttgggtgctg	ctgctgttac	tgtagtcct		180
agaagactca	tttggttagc	tgctgctgca	ccaaagaagt	catggctccc	tggtgtcaga		240
ggagggtggca	acctcgtcga	ccca					264

ctcgccgatg gtggctttgg ccgtgtctgt catagatctg gttcgtagag gctcagatct 180
acggtagcga ggtgtgtgat tcatgtgcgt cttgctttcg gaatctgttt cgtagatagt 240
cgtttgggtct tgcataatggc atgg 264

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<223> Clone ID: 700961234H1

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taagtactat tataactaatc actgtcattg gctgtatttc tggtaaaatg ttcttcact 180
ccgtcttgggt tttgttgaac gtgaacttaa gatgtgttgg agcatatccg agtaattaaa 240
gtaagaaaaa gtggcagaag tg 262

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<223> Clone ID: 700961239H1

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tgcttgccgt agaaagagca agaa 264

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<213> Glycine max

<223> Clone ID: 700961240H1

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gcattcttggtg ttgtgtccct cttttaagct atgtccttct cttaacacaa ttggttggtg 180

cattgcatgg ttggccgaac caattaacaa aggtatatat atcatcatat catcaccaaa 240

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tcgtttccct cattgctttg ttctcttctc tctctctctc cacattcaac ttcaaaggcg 180

tagagtgaga tccgaacgat gaagagagta ttggcggtca agaagaacaa ggatcctcct 240

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<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700961251H1

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ccattactga cggcttagta gcaaacggca acttcgagct gggtcggaag cctccgccc 180

tgaaaggaac tgtggtgatt ggtggcagcc actcgatccc agaatgggag atctctggct 240

tcgttttagta cataaagtcc 260

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 <223> Clone ID: 700961253H1
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 ttaactacgc caaagcttgt gcttcaaagc caggccactg cctgattttt acaaggaaa 180
 gaaaacatca acgaatgaga caaaaaagga tccactgaca cattgtgaaa cacctagaga 240
 ccgtaggaaa tccaccccga gt 262

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 <223> Clone ID: 700961256H1
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 ccctaattct ccaactcgagc gtcaacacga agcgaaacaa cttctcacgc actgtctcaa 180
 tcttggaatc tctgctctaa attctaattc tcccgccata gatgtcgttg aacttgtgat 240
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 <223> unsure at all n locations
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 cccactggac cccttaactc agcaagaaat caccctcgtc aaaaccatag tcctaaaaaa 180

atcttgtccg tttttcgacc cggcggcgga taagaattcg ccgccactgg aaacgaaact 240
tgccctctca ctgtcgt 257

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<223> Clone ID: 700961261H1

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ttgggaggaa cagacacaca tgaaggattc gaattcggat ctgtttgacc cggtcattggc 180
gatggagtc gagtgggtctc gcggcggcac cacctccgat gccgatttcg ccttcgcctt 240
caacgacagc aacttctccg aca 263

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<223> Clone ID: 700961263H1

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cagattggtc ctgagcccat tgggtccgggt tgcagtcctt gatccgaaga actgtcgaag 120
agttccaatc cctgaatcgg tcacatgcag agccttgcta gcta 164

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<223> Clone ID: 700961268H1

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ttgtgtcatg atgatggatt ctgaaggatt ggagattggg attgaagagt tgaaattgaa 180
 ggaagagaag ggtaatgcac atgcacagcc atctgggtcaa ttgcagatca ctaccgtttc 240
 tgaactcgtc aatgatgt 258

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<223> Clone ID: 700961271H1

<400> 16665

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 agtcttctcc gccacctgtt ccttctctac ctctctcggc tcagtctcca ccaccagctt 180
 ccactcccc accagcccc tgcagctctc ctcccc 216

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<223> Clone ID: 700961272H1

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 gtctctctct tt 192

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<223> Clone ID: 700961225H1

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 cttgttccat gaattcaaaa ggcaagcttc tttcttcttc aaggagaaaa tcaagactgc 180
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<400> 16669

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cccgatgacg aactcaaggt gtcaagggag cagttacatg gaggtggcaa ggaaatcagg 120
 caagttcgac gaagcaagtc tagagttcca gaagaggatg ctaatgtcct ccggaatcgg 180
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 gttctttagt gggttggtga gaatcttata gttttttttt ttctttctcg aattcttctt 180
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<223> Clone ID: 700961192H1

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 tgtgggtcat gtaaatacaag caaacaacat gtacctcttc ccaggaattg gtttggaac 180
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<223> Clone ID: 700961193H1

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002222-032222

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<223> Clone ID: 700961203H1

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aacttttgag aaattgggag ccattggcac cttagccaat ctcttagtct atctcactac 240
tgtattcaac ctgaagaaca tcacagcca 269

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<223> Clone ID: 700961205H1

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aggaggcaga ttaatatgtc cgttattcct agtgtccagc cattccatgc aatagcatat 180
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<223> Clone ID: 700961207H1

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cgaacccttt gttcgagaag cgtccgaagc agttcgggat cggaggcgcg ctgccgccga 180
agcgggacct gacgcgttc gtgaagtggc cgaagaacgt ccaaattcaa cgcaagaagc 240
gcacctcaa gcagaggctc aaggtc 266

002230 E.T.F.ES60

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7343

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<223> Clone ID: 700961211H1

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gaaattttac caaagctaaa gaaatcaaag gttatcggat taattattgc caatgggtgga 180
gctctgcagt caatactccc acctagcatg gctgagattc agaggctaag atgcagggtt 240
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cagtctcttt ttcaatccga aaagatcaag atcaaagaa cattcattat ctttctactg 180
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<400> 16693

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cacttgccgc tgctagagca gacaactttt actatcccc agaatgggaa ccgaatcagg 180
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<210> 16694

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700961138H1

<400> 16694

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ttcctgtaat atccaccact gttgcagatc agaagaacta ctacacccca gatccacatg 180
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<210> 16695

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700961140H1

<400> 16695

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caattccatt aactcaacta attcctcggt tatcaccat gccgagatcg aatcggaatt 180
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<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700961141H1

<400> 16696

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aaggccaacg gtgccacgtg tcaccctgag gaagaagcgg gcctgttggg cttcaaattcc 180
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<210> 16697

<211> 229

<212> DNA

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<223> Clone ID: 700961142H1

<400> 16697

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cttatgtagg ctacacttca cttgtagctg ctgaagggtc agggccatta aaggaatggg 180
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<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700961143H1

<400> 16698

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cattgtacaa atgggttctc tgttgttctt gcttttggtt attgttcttc cattgtgtta 180
ttgtgttgat gctgcttgct ctaatggaaa ctgcaaggta aatgatgagt gct 233

<210> 16699

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700961145H1

<400> 16699

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caacctcgtc ataggcacca tagccatcac ttctcgcttc agttccacgc ccaaaaacca 180
acaagcccac ccccccaac cactcagctc cttcaatacc atcatcacca ac 232

<210> 16700

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700961148H1

<400> 16700

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aatattcatt cgtccatggc actctcttct cgtctctttt ccaaattcaa attgatctat 180
ggctgtcaaa tacttctgca aaaggagcat gctattccag ttcgtcactt gctaaagagt 240

<210> 16701

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700961150H1

<400> 16701

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aataacctaa ataaaccgaa ctctgggttaa tcattgtgac acgttatttt aatttttggt 120
agaaagtaaa caacaaaaaa ttaaatttga ttgttgctta ttaaagagag ggggagggag 180
acaagatata ccaaagtcgt cgctcatgga agacttactc ggccttttag gattcacatc 240
a 241

<210> 16702

<211> 53

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700961151H1

 <400> 16702

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 <210> 16703
 <211> 235
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 700961152H1

 <400> 16703

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 ccatcggcga cctgaagaag cttgtggcgg ctcagactgg cacaagagcc gacaagatcc 180
 gcatccagaa gtggtacacc atctacaagg atcacatcac tctcaagatt acgag 235

 <210> 16704
 <211> 238
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961153H1

 <400> 16704

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 ttgttctgct tttcctatcg gcctcagcag acgacgtcgt tgtgctctct gaagataact 180
 tcgagaagga agttgggtcag gacagaggag ctctcattga gttctagctc cttggtgt 238

 <210> 16705
 <211> 238
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961154H1

00220-03200

<400> 16705
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 cttgatctgt tggaaatcat agccaaggct ggccctgggtg ttcacctttc cccctccgac 180
 attgcttctc gggtcccaac acacaaccct gatgcacccg ttatggttga ccgatatat 238

<210> 16706
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 <212> DNA
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<223> Clone ID: 700961156H1

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 caagaaggaa atgcgaattc tgatgggtggg tctcgatgca gctggtaaga ccaccatcct 180
 gtacaagctc aaacttggag agatcggttac cacaattccc accatggggt caatgt 236

<210> 16707
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 <212> DNA
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<223> Clone ID: 700961157H1

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 aatatcatct cagcttggct ccaaggtaga agtgcttcct ggctttgaag gccctcttcc 180
 ttttgaactg gaaacagggt acgttggatt aggagaaaaa gtgatgacat gc 232

<210> 16708
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 <212> DNA
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<223> Clone ID: 700961158H1

002220-02200

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atcgaatcaaa cactggactt gtacataga tggtaagggt acaaatatca cgaga 235

<210> 16718
<211> 236
<212> DNA
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<223> Clone ID: 700961137H1

<400> 16718

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tggttgccag cttcacttgt gctacttctg ttattgcaat tcctgaagtt tcaggggaatg 180
aagttaatac agatgggaat gctgtaaatg aagaactagc aaaaacagcc aacaag 236

<210> 16719
<211> 232
<212> DNA
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<223> Clone ID: 700961172H1

<400> 16719

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<210> 16720
<211> 163
<212> DNA
<213> Glycine max

<223> Clone ID: 700961174H1

<400> 16720

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attcttataaa catcatttat actaccgctc cacacaacat acg 163

<210> 16721
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<223> Clone ID: 700961175H1

<400> 16721

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cacgctgatt cgcacaagag cgagtgcac atgtactgct tggattgtat gaacgggtgct 180
ctctgctctc tctgcctcgc ttaccataaa gatcatcggc tattcagat 229

<210> 16722
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<212> DNA
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<223> Clone ID: 700961176H1

<400> 16722

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ctggatcatcc acattatacg ta 82

<210> 16723
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<212> DNA
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<223> Clone ID: 700961178H1

<400> 16723

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cgggtgaacga gggacaccct gacaagctct ggcaccaaatt ctccgatgct gtcctcgacg 180
cttgctctga gcaggaccca gacagcaaag ttgcttcgca aacatgcacc aaa 233

<210> 16724
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 <212> DNA
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 <223> Clone ID: 700961094H1

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 atgttcagct gtttcaactct aggtcaatgt ggttcccatg gagctccagg aagagaaatg 180
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<210> 16725
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 <223> unsure at all n locations
 <223> Clone ID: 700961095H1

 <400> 16725

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 ggatgaaaag attcttgcta acctcggaga tcatgaggga tagaatgacc ggagtggaca 180
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 <223> Clone ID: 700961096H1

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 agagggtttt ttatgcctct agtgcttgta tctacctga attcaaacag ttggaaacta 180

atgttagctt gaaggagtct gatgcatggc cagctgagcc acaagatgca tatgggctag 240
aga 243

<210> 16727
<211> 252
<212> DNA
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<223> unsure at all n locations
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<400> 16727

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<223> Clone ID: 700961102H1

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gttgga 246

<210> 16729
<211> 246
<212> DNA
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<223> Clone ID: 700961103H1

<400> 16729

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 accccaccac ccctttcttg ctcccttaat tcttcttctt cttcttctta cgtggaacaa 180
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<223> Clone ID: 700961104H1

<400> 16730

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 aga 243

<210> 16731
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 <212> DNA
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<223> Clone ID: 700961105H1

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<400> 16732

002222 "E.T.F.E.S.D"

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<223> Clone ID: 700961108H1

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 c 241

<210> 16735
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<212> DNA
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 <223> Clone ID: 700961114H1

 <400> 16738

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 <223> Clone ID: 700961117H1

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 aacttaaaaa tgctttatga tccttatggt gaaaaaaaaa aaaaaaaaaa aaaaaaaaaag 180
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<210> 16740
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 <223> Clone ID: 700961118H1

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 cgagaagtgg taaccgacat cctctcccg ttaccggcga aatccctact ccgattccgg 180
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 <212> DNA
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<223> Clone ID: 700961123H1

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<210> 16742

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700961124H1

<400> 16742

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 gaataaacca tctctctacc tctttctctg ctgagtgtg acagtgttag agatgtgtgg 180
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<210> 16743

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<212> DNA

<213> Glycine max

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 tactactcgg ataaccgtag taattctaga gctaatacgt gcaacaaacc ccgacttctg 180
 gaagggatgc atttattaga taaaagggtc acacaggctc tgcctttgct ttgatg 236

<210> 16744

<211> 234

<212> DNA
 <213> Glycine max

<223> Clone ID: 700961126H1

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<210> 16745
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 <212> DNA
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<223> Clone ID: 700961127H1

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<210> 16746
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 <212> DNA
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<223> Clone ID: 700961129H1

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 gacctgaatt ggagaagaaa ctttaagtatg cagctgacat ttcttctgga atcattctcg 180
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<210> 16747
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 <212> DNA
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[illegible]

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acgtttacct	tcatccctag	cacaattgag	acacctagtc	caagcatccc	tgagatttca	180
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<223> Clone ID: 700961131H1

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<223> Clone ID: 700961133H1

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gga	243

[illegible]

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 tcggctgact gcgtagtaaa ggctgaactt cactcaggtg tcaagctgga cgtataatgg 180
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Abstract

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caatttgatg ggaaggtcac ggcattcgta ttggttacat gctttgtggc agccatggga 240
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gttggttggt tagcttcggt cattttggcg ctgaggacta gaaagtttta caaaggggat      180
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 gcttcatcgc tgagaagaga tgcgctcctc taatgctccg tttggcatgg cactctgctg 180
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<400> 16799

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ctgaaaatga gagagtgcac ctccgatccac attggtcagg ccggtatcca ggtcggaaat 120

gcttgctggg agctctactg tcttgagcac ggcacgccc ccgatgggca aatgccaaat 180

gacaaaacag ttggcggagg tgatgatgct ttcaacactt tcttcagtga gactggtgct 240

ggaaagcacg tgc 253

<210> 16800

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700961048H1

<400> 16800

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ttgtcattcc tgtaatatcc accactgttg cagatcagaa gaactactac accccagatc 120

cacatgctgg aagtcacccc acaggtttct ccgattctct gtgctcacac aatagtagtc 180

tccatctcat ggccatggga gctctccacc tcacacaaat agtccaagta ctccatcaaa 240

cctcaggtgg aaatgg 256

<210> 16801

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700961049H1

<400> 16801

cttctttctc gttattttct atcttcagca agaagacaga taagagatgt cttccatagt 60

gaaaggcata ctcataagga gcacagcga tgtgtgcaag aatagcatgg ttttgaagaa 120

gcagagcgaa attgtaggga ggagaagcac aagagtgcag tggcagttgc atcttagatc 180

aaaatcaaac acatggaaga gaggtagtag gagatcatat cagcctccaa tacgtggcca 240

ggccatcctt accccag 257

<210> 16802

[illegible]

<400> 16802

<210>	16803
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<212>	DNA
<213>	Glycine max

<400>	16803
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<210>	16804
<211>	242
<212>	DNA
<213>	Glycine max

<400> 16804

7384

tacaacaaaa gaccgaatgc tgtacattga acattgtgca aattcaaggc ctgtaaccat 240
at 242

<210> 16805
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700960983H1

<400> 16805

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ttgctaattgt gttgcatacc aatgagctcg caagacggct aaaggaggag ggcacaaaca 120
tactgcaaac tcagtttagcc cgggaccaat tgccaccaat ctatttcggt atcacagttt 180
aatggagggtg tttgttggtg tacttggtta atatgcatg aaaaatatac agcagggagc 240
ag 242

<210> 16806
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700960984H1

<400> 16806

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tactctataa atagcatttg catgcacctt agtcttcacc aaaatactcc tcttggcatc 120
ttgtgttggtg tccctctttt aagctatttc cttctcttaa cacaattggt tgtgcccaatt 180
gccatagtca ccaaccaatt aacaaaggta tatatatcat catatcatca ccaaagaaa 240
aat 243

<210> 16807
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700960985H1

<400> 16807

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 acaccttacg atattatctc agactgttgt cctcaaagtt ggtatgtcat gtcaagggtg 120
 tgcggagcag tgaacagggt tttgggaaaa atggaagggtg ttgagtcatt tgacattgat 180
 ctgaaggagc agaagggtgac agtgaaagga aatgtggagc cagatgaagt tctgcaagcc 240
 gtt 243

<210> 16808
 <211> 242
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700960987H1

<400> 16808
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 acttcttctt ccgcactaat acgaaaatag agggaattca caaaagagggt taccatgttg 120
 gacgtgagag agaggagaag gagttggatc tcacttctcc ggaagttgnc accaagtaca 180
 agatcgccgc ggagattgtt aacagggctt tgcagttagt tatttcagaa tgtaaaccga 240
 ag 242

<210> 16809
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960988H1

<400> 16809
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 gtttgacgca gaaacggcgt cgtccttggg gaaggagctg agggacaact tcggttcggg 120
 aaggatcgga gttatgaatg gagagtgtca caagtgaagg ctctgttgaa ggcggtggtt 180
 gataacgagg aacagatcgt cgacgctctt cgttccgacc tagccaagcc tccactcgaa 240
 accat 245

<210> 16810

<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700960989H1

<400> 16810,

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acagagctat ctgtaatcga gagtgttttc aagctgagag aagcgcacct agcgcaattg 120
tggatgagat gaggaaatct ctcatgata cctatgtctg aactgtggta gtaatagtgt 180
tttgttttat gcaagatatt gcaactgctca ttgttgagat cttctaagtt aagttttggt 240
gata 244

<210> 16811
<211> 208
<212> DNA
<213> Glycine max

<223> Clone ID: 700960990H1

<400> 16811

ggctcctcca tatcctccc tgctcattct cctatttttg ttgacaagcc aagttgattg 60
ttatggttca gagaaggaaa agagtaaaac ttccataatc caagtccagc acgaagccaa 120
gcgtccatat tcccaaccac caaactctgg tacgactcct ccctctcttc catctccacc 180
accgcttctg ttatccacac ctaccaca 208

<210> 16812
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700960991H1

<400> 16812

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ttttcattcg ttgcgtgtgt ttgttcgctg agtgcgttag ttattacagc aatggagttc 120
gagacccac cgcgacgcct ctcaactccg ccatgaccta cgacgaagcc tccatggagc 180
gcacaagagc ttcgtcaacg ccttgcagga acttaagaac ctgaggcctc aactttattc 240

002220-000000

tg

242

<210> 16813
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700960992H1

<400> 16813

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atcaccttgg aggtggaaag ttctgataca attgataatg tgaaagccaa gattcaggat 120
aagagggtat tccccagac cagcagaggc ttatctttgc cgggaagcag cttgaagatg 180
gaagaaccct tgctgattat aacatccaga aggaatctac tttgcacttg gtgttgcgac 240
ttc 243

<210> 16814
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700960993H1

<400> 16814

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gtctcgcata ttatctgtta gattagagaa gaccaattct agacgacact cttctagagc 120
attgtacctc gatttccaaa gataaaagag gaacaatggt gggttggttct tggtaatacc 180
tctacgtctg agctatatgc ttgaaaaga gtttctgttt cagatcactt agttacctca 240
at 242

<210> 16815
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700960995H1

<400> 16815

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002220"032200

gaatggctgt tatggcattc cctgggttca ttacaagggc cggcaaggag atttctacat 120
 tttggtcattg gacatgcttg ggcccagtct ttgggatgta tggaattctg ttgggtcaaca 180
 aatgtcacca aatatgggtg cgtgcattgc agtagaggca atatcaattc ttgagaagct 240

<210> 16816
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960996H1

<400> 16816

cgacccttgt taaaacctca tccacggatt ccgagccttt aagaaagaat tctgcttact 60
 gtgtccaacc tgcattgatt gagccccctt cctgcatcca gccatcctgt gttgctccta 120
 ctagtgtttt tcaccccggc tcttctctag caaatcaaag aaagaccgga agccgaaaac 180
 tgaaattggt aaccaagtga gtccgttacc tgagctcatt gcagagccta cggatgctcg 240
 gtc 243

<210> 16817
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961001H1

<400> 16817

ctctccctgt tttccctgcc aaagtaacct cgtagtgac aaacaaaaag ctctctcaca 60
 ctgagtgaag gaaagagaac aattttgagg acaaagtga gagagaaaga aaagaagagt 120
 gagttgtttc agacagtagt agtagttaga tagagaaggt ggaagtggaa aaaggggtgtt 180
 tggtgtattg tgaagtgaag caaggggtgg ggggtggtgtg aaacaaaaaa aggtgtatag 240
 tgagagagaa agagagagag agatgggtggg c 271

<210> 16818
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961002H1

<400> 16818
gagtgaattt taaataatta cagataaaat aatcgatagc ttgatttta aaaattaatc 60
ataatcatcg gttagggtgc aacataatac ttaattcgct taatttttta actgcgctc 120
agagtattca taacatattc tattaataa ataagctggg gatgtaatta atattaatat 180
gtagttttgg caatcttatt ggcagaagat gctagggtga gttcatcaat attctggtag 240
gtataatattc ttcatgaatc taatataacg tt 272

<210> 16819
<211> 270
<212> DNA
<213> Glycine max
<223> Clone ID: 700961003H1

<400> 16819
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ctcccagatg agccgccgcg cctccgagtg ggccttccaa cgcttcctcc aggaagcttc 120
cgctccgca cctctcctc cgtcttcttc ctccgccgcc gacgtcgat tcgtcgagat 180
cgaagatcaa cctaaaccgc cccctcccc tccgtcaaac ggcgccgttc tccccaatgc 240
ccctgggtccc gtcccccttg actccgacga 270

<210> 16820
<211> 270
<212> DNA
<213> Glycine max
<223> Clone ID: 700961004H1

<400> 16820
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atctgcacta aaaccctacg cacacatctt ggtgtaagtc caatcgatat agcagcaatg 120
tctacgcttg aaattgaagc tcgagatgtc atcaaaattg tgcttcagtt ttgcaaagag 180
aattcggtgc atcagacttt tcagatgctg cagaacgaat gccagggttc tctgaacact 240
gttgacagca ttgaaacctt tgttgctgat 270

<210> 16821

<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 700961005H1

<400> 16821

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gccaaacaac ctcaaaaaca ttcatacaag ttcactatta atccatccat cattaagtaa 120
gaaaataagg ttcgatTTTT ttatctttgt tttgttctg atccatcatg gaggtgccga 180
gttctctgga tgcccttcgc aaacaggcaa gaaaacttga agctcagttg gatgagcaga 240
tgaattctta tcgtaaattg gtttctaata a 271

<210> 16822
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700961006H1

<400> 16822

gtgggaagtt gaggggaagt ggggtgttaa aggagcagtt gatgtagaca ttggtgcaaa 60
cccttctgct gaggggtggag gagaagatga gggagttgat gatgcagctg ttaaggttgt 120
tgacattgtt gacacattca gacttcagga gcaaccgca ttcgataaga agcagtttgt 180
taccttcatg aagaggttta tcaagaattt gactcccaag ctcgatgcag agcaacagga 240
gttgtttaag aagcacatcg agggagc 267

<210> 16823
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 700961007H1

<400> 16823

gttctttgaa gaagaacct tctctttgcg cgtgtcccgt tctcttctcc aatcctctc 60
catccccact gtgtgatctg atcctaaacc ctatagccat gactaccatg gaggttaagc 120
tatggaatga caagcgcgag agagaaatgt atgacaactt tggggagctt tatgccatta 180

tcaaagccgc tgagaggcct gagaaggcct atgttagaga tataatctca cccaggaat 240
atgagttaga gtgccagaag ctcataagctc a 271

<210> 16824
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700961008H1

<400> 16824

eggctcgagc ggctcgagat gattttgatg ggaataactc atgaatagag attctcctcc 60
aagcctagaa tgagtactat ttacaatatg gagggcaata ggaacaaaat attaaaatgt 120
cactggaaaa gaactgatac ttggaggaga atctctattc atgattttga tgggaataac 180
tcaccatttg gtttactctt gtaactaaga taaagtgatt gtatacaaat tccacgacca 240
aaaaaaaaaa aaaaaggcg gcc 263

<210> 16825
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700961010H1

<400> 16825

ctcccttcat ttcgaatatt catatatcac attcccttca ctttctattc tttcttcttc 60
ttcacttcaa gacagccaaa tgaacgatct tatgacaaa tccttcacca gctacgtgga 120
cctgaagaag gctgcaatga aagaagatgt tgatttgga gctggtgttg ttgtttcttc 180
tgctactcct cgcaacgtgg aacttacctc ttccacaaca cacttgga cgcacatggg 240
tctcttcttc gaagaggctg agaaggtga 269

<210> 16826
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700961012H1

<400> 16826

ctctcttttct tctcgggtcca gtgtctctttt caaagtgtctg ctgctgccag cattgacctg 60
agctagagca gtaaccgtca tcaccactgc cagtacggta ccatggctgt gcttcaatct 120
ttcgttttcgg tccacccaga ttctcacttc cccatacaga acctccccta cggagtgttc 180
aagccccaat ccgctttctcc tctcgtctcc ggcgtcgcca tcggagactt cgtcctcgac 240
ctctccgaaa tctcttccgc tggctt 266

<210> 16827
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 700960980H1

<400> 16827

cggaattccg ctcgacagct cgagctcaaa actgagaaca agaagaagaa gaaagagaga 60
gagtgtaaaac gggaaaagca aaaagttgtt tctgtgattg attctctgca accgaatcat 120
catcagccac ttcttcccggt ttcattctctc catttcttct tttcttccgc tctgggttcag 180
taaggcgaag aggggttaacg ttattcataa tgggtgcaac agccgctacg gcgtcgtttc 240
ttcccgtgcc tttgccagac gctggaaaag g 271

<210> 16828
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700960933H1

<400> 16828

gtcttcgtcg accccaacaa cacaacaaag ttctcgtac ccgccatgaa gaacgtccac 60
gcttctctaa caaagtacaa cctcgacaaa aacattaaaa tctcctcacc catcgactc 120
tccgcgtcc agaatcgttc cccgcctcat ccggttcctt caaaaccgaa ctcgtcgaac 180
cggttatcaa acccatgctc gacctgctcc gccaaaccgg ttctactta atgggtgaatg 240
cgtatccgtt tttcgc 256

<210> 16829
<211> 248
<212> DNA

<213> Glycine max

<223> Clone ID: 700960934H1

<400> 16829

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 cttcactagc ctctttctgca ttctgtgcct ttccacggag gccagtggat gttccattcg 120
 gcagaaacta cttcccactt gggcttttga tcacatcaaa tacttcaatg gaggttctga 180
 gattcaactt catcttgaca agtacactgg tactggcttc cagtccaaag ggtcatactt 240
 gtttggtc 248

<210> 16830

<211> 75

<212> DNA

<213> Glycine max

<223> Clone ID: 700960935H1

<400> 16830

cttcgaagga atttgtcaaa gagtagccat cgccccaacg atcccgtgtc cttcacttc 60
 tccacacaac atacg 75

<210> 16831

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700960937H1

<400> 16831

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 gggcttccac tatgcattgc gcatattggc gcttctgtgt tcccttggtg ctacttgcta 120
 gcttcagtta tgcacctttt gttttggcga caactgaaat ttcagggaat gaagtgaagca 180
 ctgatggaaa ggtttttaaat gaagagttag caaacctaa tctacaagga catgatgaag 240
 aagcaaagtt 250

<210> 16832

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700960939H1

<400> 16832

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 ggagcgaaca agttcccgga gagacagccg attgggacgg cggcgagag ccaagacgac 120
 ggcaaggact accggagccg ggcgcggcgc cactggttga cccgacggag tttacgtcat 180
 ggtcctttta cagagcaggg atagcagagt ttgtggccac ttttctgttt ctatacatca 240
 ctgtcttaac c 251

<210> 16833

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700960940H1

<400> 16833

ctcaagcaat ggacaagctc ggacaagccg aacgaatcat cgccgacatc cgaatcggcg 60
 ccgaccgcct cctcgaagcg ctcttcgtcg cggcggcgca gcctcaccaa ggcaacaagc 120
 ctctccaagt cttctcaaag aagacgcatt tatgcgtcag tatcttcaag accttcggtc 180
 gcttggttaag gagctagaag agtctggagt tctcagcgaa tcagttcgat cgaggaaaga 240
 cttttggggc ttgc 254

<210> 16834

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700960941H1

<400> 16834

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 ctgattgagt tattgatgaa tcaattgctt aaattggatg gtatagtggc tgatggggat 120
 gtgaaactac agggaaaatg caggtaaaaa gaattcaaaa gtatgttgaa acacttgatg 180
 tgctgaaggt taagaattct atgtctagta gcaatggaga ccatgccaca gtgcagcttc 240

aacagaagca tt

252

<210> 16835
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700960943H1

<400> 16835

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tttctgatg gaaatagatt tggaactggg tcagatgatg gaacctgcag attatttgac 120
attaggactg ggcaccaact tcaagtttat tatcagcagc acagtgacaa tgagatccca 180
cctgtgactt ccattgcatt ctctgcttca ggaagacttc tctttgctgg atacacaaat 240
ggagattgct atgt 254

<210> 16836
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700960944H1

<400> 16836

ggacaaactt aaggctgagc gtgaaagagg aatcaccatt gatattgctt tgtggaagtt 60
tgaaacaaca aagtattatt gcacagttat tgatgcgcct ggacataggg atttcattaa 120
gaatatgatt atgggacatc ccaagctgac tgtgctgttc ttatcattga ttcgaccact 180
ggtggttttg aagctgggat ttccaaggat ggacagactc gtgaacatgc tctgctttca 240
ttcacccttg g 251

<210> 16837
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700960948H1

<400> 16837

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cttgtattgg cttctcaaat ccatgtttcc tctgggaaac tagtccttgg actatcatgg 120
aattactatt tgttgacatg tcccaagctt gagaggatta taaggaagca tcttgaggat 180
gtcttcgaga aggacagtgg agtagctcct ggcatacttc gactcttctt ccatgactgc 240
tttctaatg ga 252

<210> 16838
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700960949H1

<400> 16838

cgggtccacca cctagtaaat ggaagggcac ctgccaaact tctaaaaatt tcacatgcaa 60
taataaaatc attggggcta agatttaca agtagatgga ttttttagca aggatgatcc 120
aaaatctgtg agggatatag atggtcattg cactcatgta gcatcaacag cggctgggaa 180
tccagtttagc acagctagca tgtaggcct tggtcaggga acatcaagag gtggcgtgac 240
aaaagcacgc 250

<210> 16839
<211> 73
<212> DNA
<213> Glycine max

<223> Clone ID: 700960952H1

<400> 16839

ctgtcttaga actttacctt tctgtcctca tggagtagta aagaagtaac taatcaacca 60
caaacctaaa caa 73

<210> 16840
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700960953H1

<400> 16840

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cagtgaggaa ggccttactt tcagaggaat tcccaacagc atctctatct aaggccagag 120
 tgcgtttatg tgtggttctc ttcccaaacc tacgttacct ttctcggtga cgagtaaata 180
 tgcaagctta tgcattgcata taataattgt cttatgcatt cttaagtgtt gtatgtggac 240
 gttatctagt t 251

<210> 16841
 <211> 107
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960954H1
 <400> 16841

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 tctctcgacac tcgctctcac cctttgcctt gtttccactc tatgtaa 107

<210> 16842
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960955H1
 <400> 16842

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 tcttggtctt gcgagagaaa gccatgccag agacgaagat ttttggcatg ctgtttggcc 120
 aaacactccc ttccaagttc attgcgagat attctaaagc ctggccctgc aagtgttgaa 180
 atcgatgatc accctatgca aattgaagaa acacagtacc cgaaaacctt cttctataaa 240
 gaagacct 248

<210> 16843
 <211> 252
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960956H1
 <400> 16843

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ccccttggtt gttttacctc gttttttgta ttcgtttttc tcgtttgtag ttcagtggtta 120
 atttgacttt gtagtttggc atgttgaaac aattaatgaa gtatctgatt caaaagttgt 180
 gtttgggttt ttgttttctc ccactctaac tcaattgcag agattgcaac ctctaaaaaac 240
 taatgaacaa tc 252

<210> 16844
 <211> 249
 <212> DNA
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<223> Clone ID: 700960959H1

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<223> Clone ID: 700960962H1

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<223> Clone ID: 700960966H1

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<223> Clone ID: 700960970H1

<400> 16848

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 cgtctttctt ccgatcgccg tcgcttacag acccggcgac atcgttccca tgagccgcat 180
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<223> Clone ID: 700960907H1

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tgagcgagcc ctaccttggc ctcttcaact cgtggacggg ctccaactgc tgctctgact 180
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<223> Clone ID: 700960908H1

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258

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<223> Clone ID: 700960915H1

<400> 16867

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<223> Clone ID: 700960916H1

<400> 16868

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<210> 16869
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<223> Clone ID: 700960919H1

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<211> 256

<212> DNA

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atgatcaaca agcactgacc catgtcacca tgatcggaga tggccccacc aagaccagaa	180
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<211> 256
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<223> Clone ID: 700960921H1

<400> 16872

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ttaatatctc tgggcactca tataccaagg gacatgagaa ctttatacca gttggtccaa 180
cctatggtaa atcaggagaa aatttcataa ctgttgcctc ttatgacaag ggtactgatc 240
atattatatc actggg 256

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<211> 257
<212> DNA
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<223> Clone ID: 700960922H1

<400> 16873

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<223> Clone ID: 700960923H1

<400> 16874

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catcgaagcc ctcttagcct acaactctct gtttcacgac actgatttca agctcgccaa 180
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<400> 16875

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<210> 16876
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 <212> DNA
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<223> Clone ID: 700960926H1

<400> 16876

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 cttgatggta taaaggattg tttagttggc atccctcgcc agagtggctt gtctaccgaa 240
 caacgtaaaa gactaa 256

<210> 16877
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960927H1

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 aagaaccata tttttctgaa aagtgatgga accttgacgc cattggccat tgagttaagt 180
 aagccgcctc ctcagggtga aggatatggt cctgttagcg aagtctacgt gccttcgagc 240
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 <213> Glycine max

<223> Clone ID: 700960929H1

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<223> Clone ID: 700960930H1

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<213> Glycine max

<223> Clone ID: 700960931H1

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agctaaggag agagggattt tgagtgtatt tcgtagattt catgatgctt ctcgtaagaa 180
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atttggtgat tcaag 255

<210> 16881
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<212> DNA
<213> Glycine max

<223> Clone ID: 700960901H1

<400> 16881

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<223> Clone ID: 700960861H1

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<223> Clone ID: 700960868H1

<210> 16889
<211> 243
<212> DNA
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<223> Clone ID: 700960872H1

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gat 243

<210> 16890
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<223> Clone ID: 700960873H1

<400> 16890

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aagacgacgg caaggactac caggagccgg cgccggcgcc actgggttgac ccgacggagt 180
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tatacatcac tgt 253

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<223> Clone ID: 700960874H1

<400> 16891

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tggaagct tattgtcatg gatgcctcct atgatatgct tcaagcctgt aaaaatgctc 180
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 aagaaagctc tgtg 254

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 cagaggagaa aattggaaga aaagagtacc aattgggtcac ttttgatctt ccctacttgg 180
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<210> 16897
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<223> Clone ID: 700960880H1

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<223> Clone ID: 700960882H1

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caagatgctt ggtgatg 257

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<223> Clone ID: 700960884H1

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$\langle 211 \rangle$	252

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 <223> Clone ID: 700960889H1
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 ttgtatggtc ttctgatgtc gcttcctcag gtatctgcaa acaatttctt cttacctatt 120
 gagaaattgt tgaggcattg atttccttgt atgaacggga tgtgttcaaa tatecttctt 180
 tggagcaaag tgccgccttt aagatactaa aaacgcgttt aaaagctgtg ccatcgatt 240
 cattcaatgg cg 252

<210> 16904
 <211> 203
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960890H1
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 agtaggctca taagaggctc atctcactcc ataccaagaa tgtgtatact ttatttcctt 120
 tggggaaata tattacaatt tataccagcgt tgtattctgg aagtttggtt ttcatacaat 180
 tccaatcatg tggatgttgc atc 203

<210> 16905
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 <223> Clone ID: 700960891H1
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 aaa 123

<210> 16906
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[illegible]

<400> 16906

<210>	16907
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<212>	DNA
<213>	Glycine max

<400> 16907

<210> 16908

<212>	DNA
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<400> 16908

7421

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cctgttcatg aagatatggt tc 262

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<213> Glycine max

<223> Clone ID: 700960817H1

<400> 16912

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aactgtgtcg gcaccgaagt cagttgcgtc tgatcctgat cagttgaaga gcgccagaga 120
ccgtatcaag gagcttctca actccaagtt ctgccatcct attctcattc gtttgggatg 180
gcatgatgct ggtacttata ataagaatat tgaggagtgg ccacagagag gtggagctaa 240
tggtagctta agatttgaaa ttgagc 266

<210> 16913
<211> 130
<212> DNA
<213> Glycine max

<223> Clone ID: 700960818H1

<400> 16913

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catttcatgg actccgattc ctggatttcc acgcgcctct ctctctcttc acgccgccac 120
cattatcgat 130

<210> 16914
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700960821H1

<400> 16914

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tttcattgag gctacagaaa gtggtgatca atatgtcaaa gaatccaaaa gttttctttg 120

<400> 16917
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 cttgctcaca actggatggg ttaattttgt gacttccaag agattagttg ctggagacac 120
 ctttgtgttt ctgagaggga acaatggaga attgcgggtt ggagtgagge gcattgctcc 180
 tgtgcagagc agcatgccat catctgtgat ttctagtcag agcatgcacc taggagttct 240
 tgcaactgca tctcatgc 258

<210> 16918
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960827H1

<400> 16918
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 cccttaagtc taaggatcatg tctccctctt gccttataca caccaataat ttgccaagaa 120
 accgaaccca acccaaccgc aacaacaatt tcgttccatg atttcgacat gatcaccgat 180
 acgcggagaa acgagcagag gctcaagatg aagaacatct tccacatcag cgtcgtctcc 240
 gccgtcct 248

<210> 16919
 <211> 164
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700960830H1

<400> 16919
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 ctcgaactgc tgtttggtct cttcactctt aaccatggca tcaacgtttc tcaccctaac 120
 aaatcccttc ctacacaaaa ctaatgtggn tagtttctct gaca 164

<210> 16920
 <211> 261
 <212> DNA

<213> Glycine max
 <223> Clone ID: 700960832H1
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 cagtgtccaa atcataaggg tagttgcaaa ttgcaatggc taagcatgat gttgaggggtg 120
 gttcctttctc tgcaaaggac taccatgate ctctccagc accgttgatt gatgctgagg 180
 aactcacaca gtggtccttc tacagggctt tgattgctga gttcattgcc acaatgctct 240
 tcctttacat cacagtgtc a 261

<210> 16921
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960833H1
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 tctgtgccta cctgggcctt tgatcacatc aaatacctca atgggtgggtc tgagattcag 180
 cttcatcttg ataagtacac aggtactggc ttccaatcaa aagggtccta cttgtttggt 240
 cacttcagca tgtacataaa att 263

<210> 16922
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960834H1
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 ctgtttccag tggaacaaat cttcatccaa attaggtttt gttttggaga aatgtatgca 120
 gagactggtc ttttcttccc atatttgcac aacgtctctc acggccttca tcagcttgag 180
 gagtactgca aaaccagaa gtccaatgct tcaatggatg accttgttca gtcttctgcc 240

262

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ccacaatctc tctgttcagt tttcatatgg cgaacacact atataacggc gccacatgcc    60
gaatccctct ccggaaccaa tccttggcct tctctcgcca cgtttccaga tccctctctt    120
t                                                    121
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<210> 16926
<211> 52
<212> DNA
<213> Glycine max

<223> Clone ID: 700960842H1

<400> 16926

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<210> 16927
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 700960844H1

<400> 16927

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agtagcaact gcaactggctc aggatgcgca cagatttgtgt tacgcgcgctc aggggtacgcc 180

aggggggttcg cgccatctgc gtgagtacat acaacggatt agaccgaaga ttct 234

<210> 16928
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700960845H1

<400> 16928

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cattgcgact tccgacactt accgcatttg gaagcgtgct ctaatctccg cgcctccatg 180

acccttgacg gattcgacgg cccgcgcata cagcgttcgg actaaacttt tttgttcctc 240

ggtagagggt atgcctccga taatggg 267

<210> 16929
<211> 256
<212> DNA

gagccatttg agaggttatc

260

<210> 16932
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700960851H1

<400> 16932

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tctccgccac cgatgccaaa cgtagcgcca gagactccca cgtccccatt ttggcacctt 120
tgccaattgg gtctgctgtg ttcttggttc acttggcaac catccccatc accggaactg 180
gtatcaacc c tgctcgtagt cttgggtgctg ctatcatctt caacaaggac cttgggtggg 240
atgaacactg gatcttctgg g 261

<210> 16933
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<212> DNA
<213> Glycine max

<223> Clone ID: 700960852H1

<400> 16933

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cagaggagga gtttcgaagg attgttttagg aaaaggatc gggtaagggt gaagcgaagt 120
caagatcatt cagtgaagtg tggattgag cgaagcagca gcgatggaaa gaaagggggc 180
ggaggaggag gcgtgtcaaa ttcgaactac gtggtgccgc tggacaacat ggcgaactca 240
tcctgcataa cacgtccttt a 261

<210> 16934
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700960854H1

<400> 16934

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ctggaagctg gctttgaaat gatatgctgc atgattatta caggtgcagt cttggctgtg 120
aactttgggc acggcaaaga aattgggaaa ggagtgagtg cctttctggt tggtgtgatc 180
ttcttggtcg ttttggcata tgggagatct tggggteccc ttgggtgggt ggttcccagt 240
gagctcttcc cattag 256

<210> 16935
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700960815H1

<400> 16935

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aaagattgta tttccgtag tatatatact cgatttggtg cgtatctact atcttaccct 120
tagacataac aatatcatct agctagctag ctgctagca aatagcaatg ttaaaaaacc 180
aaccacaacc agattggcct gagcccattg tccgggttca gtccttatcc gaaaactgcg 240
aagattcaat ccctgaa 257

<210> 16936
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700960856H1

<400> 16936

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tgagaaattc aggtcagact tattgaacat tgcaatgact actttgagtc ccaagattct 120
ctcacaggac aaggatcatt ttgcaaaatt agctgtggat gctgtaatga gactaaaggg 180
aagcactaat ttagaatcta tccagattat aaagaaacct ggaggctcat taatggatcc 240
attcctagat gaa 253

<210> 16937
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 700960857H1

<400> 16937

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ccactcgtaa cataccccta tcggttttag aaaagccaag aaagtttggtg tccaccaacc 120
tctattttac acgagtctct catactatga tactatagct acacttccca ctgtgtctca 180
gggtctgtga cacacacaga ctcaattcaa gttcccagct ttgcccattt tcccc 235

<210> 16938

<211> 83

<212> DNA

<213> Glycine max

<223> Clone ID: 700960766H1

<400> 16938

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ggaatcccc cggaccagca acg 83

<210> 16939

<211> 205

<212> DNA

<213> Glycine max

<223> Clone ID: 700960769H1

<400> 16939

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tcatccaccc ttgttgatgc caaggctcca agtccaagac aatccccaca atgtgtctcc 120
actacacctg ttcaactctcc ttggaagacc actgctttct gtcgcaggat tgcaagcaac 180
gttatggcaa tggctaccac cagag 205

<210> 16940

<211> 214

<212> DNA

<213> Glycine max

<223> Clone ID: 700960770H1

<400> 16940

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 cgcgccacca agtcgccgaa gccctcgcg 89

<210> 16947
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 <212> DNA
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<223> Clone ID: 700960783H1

<400> 16947

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 ctctctttct ctctagactc ccattgcagcc attgggtatga atggcgtaaa ggttgggacg 120
 acgtcgtctc agacgtacct tgaaggcaag gcagtgaagg agacgagagc gttgatggct 180
 gaactgtgtc gccatttcca caa 204

<210> 16948
 <211> 71
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960784H1

<400> 16948

caaacacact cttttttgtt atttgetaac ttcccttggt cgtttcactc caacaatgga 60
 ctccactct c 71

<210> 16949
 <211> 203
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960788H1

<400> 16949

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 ctacaagaag tttgatgggtg aaactgtcac ggaggtggtc cgtcctcata tagcaaggat 120
 gcagtatcgt gttaccagat tgcccaagta tatgattcta cacatgcgtc ggtttactaa 180
 gaataatttt tttgtcgaaa aga 203

<210> 16950
 <211> 203
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960789H1

 <400> 16950

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 ttgccattga agaagaagct cagatcggaa aaattcacct ctccaatccc aatcccatcg 180
 ttgcaaattgg ttccttcggt cat 203

<210> 16951
 <211> 202
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960790H1

 <400> 16951

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 cacctgtatg gatctgactc agatctacac gccgatgggtg gttttggcct ggtctttcat 120
 agatctgatg catggaggct cagatctact gtacagagat actgtagata atcgatgaga 180
 agacagcaga tccagccgct tc 202

<210> 16952
 <211> 202
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960793H1

 <400> 16952

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 agaaaaatgt cccagcgggtg attgttttcg gagactcctc tgtggattct gggaacaata 120
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 gtcgtccac gggacggttt tg 202

[illegible]

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<400>	16954
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<210>	16955
<211>	269
<212>	DNA
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<400>	16955
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7437

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269

<210> 16956
 <211> 267
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960802H1
 <400> 16956

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 gttcagggttt tctgggtttt ggacaaaaag cttgctcaga ggaagcactt tccttctgta 120
 aactggctta tttcttatgc aaaatactca acggcacttg aaacctttta tgagcaattt 180
 gatccagatt ttatcaacat taggacaaaag gctcgtgaag ttctgcaaag ggaagatgac 240
 cgcaatgaaa ttgtgcagct tgtgggc 267

<210> 16957
 <211> 133
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960804H1
 <400> 16957

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 attctgtgcc tatccacgga ggccagtgga tgttccattc ggcagaaact acgttccac 120
 ttgggctttt gat 133

<210> 16958
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960805H1
 <400> 16958

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 ctcttacta atttcagcta tggccgacga agctgtggtt gttccagatc ccaccagat 120
 cgatgtcaag ctctttaacc gctggagctt cgacgatatt gagattactg acatttctct 180

ggctgattat atcggagtgg cgacatccaa gcacgccacg tatggccctc acaccgccgg 240
cagggtactcg gtgaagcggg tc 262

<210> 16959
<211> 135
<212> DNA
<213> Glycine max

<223> Clone ID: 700960806H1

<400> 16959

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caccatcgac aacgtcaagg ccaagatcca ggacatggaa ggaattcccc cggatcagca 120
acgttctcat cttcg 135

<210> 16960
<211> 182
<212> DNA
<213> Glycine max

<223> Clone ID: 700960807H1

<400> 16960

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tcatgcacat gccatcgttg atattagtaa gacgaaagaa gcattcgttg tgatggaatt 120
ttgtgagagg tctctgggta atgttctgga gtatcgaaga gtcgattatt ttgatgagaa 180
ac 182

<210> 16961
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700960808H1

<400> 16961

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tggttcttct cggggacatg ggtgctggga aatccagcct cgttttgcgc tttgtcaagg 120
gtcaatttct cgaatttcag gaatcaacaa taggggcagc gttcttttca cagacgctgg 180

acatttttcc actcatcaag tctcttttctt tcatctcata tttctcttca ttcacatcac 120
 ttctctgata tgtctcttca ctctctttga cccagatcaa attttttacc ttttgttctt 180
 ctctcttact ctccgttaat gctttgcttc aaaccattct cagaaaaaca atgcttccat 240
 ctaggtctac cctc 254

<210> 16965
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960811H1

<400> 16965

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 aactttgtcc acaagttaaa atcaacttat tccccttaat tttttgcaga agttaaataga 180
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 tttgagtcac ttaggaatc 259

<210> 16966
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960812H1

<400> 16966

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 ccagagggtc cttctggtat ggatacttgc ttctatgccg agtaccacaa cattggcccc 120
 ggttcagaca aatccaagcg tgtgaaatgg gctgggattt ggaacctcaa ttcaaaagct 180
 gcacgttggt tctcaccatc taagtttttt catggaactg attggattga ggttactgga 240
 attccttgct ttctggcgt 260

<210> 16967
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960813H1

<400> 16967

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 tgggtgagagt gaaggcgac catcttcacc ttgaagtcaa cgatcatggc aaccattaac 120
 ctttcttccg ctactacgtc tctcttccaa tccaaacacc gaacgaaacg cattccacgc 180
 ctccctacac tccacagaat aacaaaccac atcgaaggaa ctcatcttaa ctcccccaac 240
 ggctctccca tccttggc 258

<210> 16968

<211> 213

<212> DNA

<213> Glycine max

<223> Clone ID: 700960709H1

<400> 16968

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 ccgtcctatg gaatcctgca agcatcatat tctctgtgga cgggaccca ataagggagt 120
 tcaagaattt ggagacaaaa ggggttccat tcccaaagag ccaacccatg agaatact 180
 ctagtctttg gaacgctgag gattgggcca caa 213

<210> 16969

<211> 213

<212> DNA

<213> Glycine max

<223> Clone ID: 700960711H1

<400> 16969

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 tacgagagga ccgagcactg ttaaaccggag cacagaagca tacttggtac tttgatagct 120
 gttggtgagg cagttgccta tggtctttcg gggatgtatg gtagtgtggg cacactcgga 180
 gtaggaaatg ctatcctcat cattatccag ctc 213

<210> 16970

<211> 210

<212> DNA

<213> Glycine max

<223> Clone ID: 700960712H1

<400> 16970

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tgaggataaa gatgttgatg ttgagttcat gtacactgca aaatggaagg aaacagatac 120

atcttttgag aagagaatgg ataaatactc tcaatcttct tctttgccac atcacttgga 180

gattcactgg ttctcaatca taaactcctg 210

<210> 16971

<211> 197

<212> DNA

<213> Glycine max

<223> Clone ID: 700960713H1

<400> 16971

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cagcaaagga ggagttcgtg gcaagatggg gttctacgca caaactgtcc tattcctgca 120

aagtggaact ggacttacca gtttcaggtg aaggatcaaa ttggaagctt tttctacttc 180

ccttccttc atcttca 197

<210> 16972

<211> 217

<212> DNA

<213> Glycine max

<223> Clone ID: 700960715H1

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acctgctgat ccaccacccc cattatactt ctggtgaaac ccaaggagga gttgaccgaa 180

gtgatgtgaa acccttgcag attattcagc ctgaagg 217

<210> 16973

<211> 212

<212> DNA

<213> Glycine max

<223> Clone ID: 700960725H1

<400> 16976

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gggaagaacc agtagaaaac caacaacaaa agact 95

<210> 16977

<211> 208

<212> DNA

<213> Glycine max

<223> Clone ID: 700960729H1

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tcctaattac catctgcaca ctgtcatcac ttctgtcagt tgcattctgca gcaacagagg 120

agggacgaac aaggccattc aaaagggcct atgcctttgg agactctttc acagacactg 180

gcaacaccca caatgcagaa ggtccaag 208

<210> 16978

<211> 209

<212> DNA

<213> Glycine max

<223> Clone ID: 700960731H1

<400> 16978

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agtcacccat ttgctacaat atactactgc caattctgga gaatgggatt gatattaata 180

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<210> 16979

<211> 208

<212> DNA

<213> Glycine max

<223> Clone ID: 700960732H1

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acttcctgag attgaagcta acgagaacta tgttgattcg ggaccaccat ttctcatcct 120
tctgcatacct gctctcgggc ctctttggga agtcactaag caaaaattct atggtgggtc 180
catatcagag ggctccgagt tacaaata 208

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<211> 208
<212> DNA
<213> Glycine max
<223> Clone ID: 700960734H1

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tatggaaccc cctactccca cggataggaa aatcactggg gagcaggcac gcagtatatt 120
tttaagctgg agattaccca tagatgtctt aaagaaggtg tgggacttgt ctgatcagga 180
caatgatagc atgctttcat tgaaggag 208

<210> 16981
<211> 207
<212> DNA
<213> Glycine max
<223> Clone ID: 700960738H1

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cacttaccgc acttggaagc gcggctctaa cctccgcgcc gacatgaccc ttgcaggatt 180
cgacggcttc cgcatacagc gttcgga 207

<210> 16982
<211> 208
<212> DNA
<213> Glycine max
<223> Clone ID: 700960740H1

<400> 16982
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 tcctgaaatt gtgcaggggt ttgcagttgc tcttaaagct cgcttgacca aggctgactt 180
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<210> 16983
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 <212> DNA
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<223> Clone ID: 700960741H1

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 ctaccgctgc ctccgcctcg acccctgaat ttgaaccatt catcaccacc tttcttcatt 180
 cattcacggg tttccttttc gactcg 206

<210> 16984
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<223> Clone ID: 700960743H1

<400> 16984
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 aatagttttt gtctgaaaga tgttggacct tgcgattctc gtatctccac tttgcttgat 120
 atcactgcgg gtttcgggta tccccttcag ttggcgcgtt cctggactgg gaacgatcct 180
 tgtgatgatt ggagttttgt tgtgtgt 207

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<223> Clone ID: 700960744H1

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 tggcgactaa ggccgcccgc aagtctgctc cggcgaccgg cggagtgaag aagccacaca 180
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<210> 16986
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 <212> DNA
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<223> Clone ID: 700960746H1

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 cggccacggc gacgagggca gcagtggcgg cgcgcgctt tttcggcggc ttttctgcac 120
 aaaataa 127

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<223> Clone ID: 700960748H1

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 actcgatcac cccgcagatc cttaagccag atcttatcgc gccaggtgtc aacatcctag 120
 ccgggtggtc caaggcgggtg ggaccacccg ggttacacgt tgataacagg cgcgtggatt 180
 tcaacatcat ttctggcacg tccatg 206

<210> 16988
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 <212> DNA
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<223> Clone ID: 700960749H1

<400> 16988

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 aagaaggttt gttcagtatc agaaagattg tgtgaaccaa gttcttaaag cagctatggc 180
 cataaatgct caaactctat caga 204

<210> 16989
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 <212> DNA
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<223> Clone ID: 700960750H1

<400> 16989

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 aaccg 65

<210> 16990
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960751H1

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 gcagcatgtg gacaattgga tgctgtctta cagcgtctt caattgttga taatggcttc 180
 tcaaaaggag tcattaatga tatct 205

<210> 16991
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960754H1

<400> 16991

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gggtccactt agccaagatg tgtctaaggt tcaaagggtcg cgtgtggtat gttacggtag 180
cagatcaccg cttggttatt atggtaa 207

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<223> Clone ID: 700960756H1

<400> 16992

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gctttgagaa ccatctcctc tttctctctg aaacctgcc aacacaaga atcattactc 180
aacactagta cttcatccac cataacc 207

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<223> Clone ID: 700960706H1

<400> 16993

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gggga 65

<210> 16994
<211> 207
<212> DNA
<213> Glycine max

<223> Clone ID: 700960757H1

<400> 16994

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ccagcggcga tcttccggca agtggtcttg tagctagtgg cgttgctttt catcgtgcct 120
ggtcacaatt cttttgatat gggcaacact tagaccacc aaaccacct tcacgtcca 180
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 ggaggattac aacaagttct atgaggcttt ctccaagaac ttgaagctag gtatccatga 180
 ggattcacag aacaagggaa agatt 205

<210> 16996
 <211> 205
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960759H1
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 tcatgggttc ggcacggacc aatcgggtgtg gaagcacctt gtaccgcacg tggtcgatga 120
 ttaccaagtg atcttgtacg acaacatggg tgctgggtacc acgaaccag actacttcga 180
 cttcgaacgt tactacacga tcgat 205

<210> 16997
 <211> 173
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 <223> Clone ID: 700960761H1
 <400> 16997
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 gactccatca tcaatggctc tgagactgaa ccctatcccc acccaaacct tctccctccc 120
 ccaaatgccc agcctcagat ctccccgctt ccgcatggct tccaccctcc gct 173

<210> 16998

<211> 205
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 <223> Clone ID: 700960763H1
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 agattctctc tctcagctcc ctcggtacc gcgcgctcgc tcccgatctc cgtgggtacg 180
 gtgacaccga agcaccacct tcaat 205

<210> 16999
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 <223> Clone ID: 700960764H1
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 gcaaaaacgg ctttcaaagt ttcgtttttc ctgcacttg ttctagtttc caatatactc 120
 ctcttgata caacagctgc tggacgcagc attggcgaaa actccaactc agaggaaaag 180
 aaagagctga gttcttggtc aagc 204

<210> 17000
 <211> 246
 <212> DNA
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 <223> Clone ID: 700960658H1
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 gaggaagatc ttccggcaag tggtctggtg cttagtgggtg ttccttttca tcgtgctggt 120
 cacaattctt ttgatatggg caatccttag acccaccaaa cccaccttca cgctccaaga 180
 cgtcaccgtc tacgccttca acgccaccgt ggcgaacttc ctgcattcga attttcaggt 240
 cacgct 246

1997

<400> 17001

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<212>	DNA
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<400> 17002

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<400> 17003

7453

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247

<210> 17004
<211> 247
<212> DNA
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<223> Clone ID: 700960666H1

<400> 17004

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aagctatggg aaagtcttac ccaactgtga gtgctgatta ccagaaggcc gttgagaagg 120
cgaagaagaa gctcagaggc ttcacgctg agaagagatg cgctcctcta atgctccggt 180
tggcatggca ctctgctgga acctttgaca agggcagcaa gaccggtgga cccttcggaa 240
ccatcaa 247

<210> 17005
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700960669H1

<400> 17005

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ttacttggga tttatcactg tattgggcat ctccaccatc ttgttttctc tactcccagt 180
gttcctaaaat ccagaattcc gcaccatata gaaacatata tcctctggaa tgggggtatc 240
tggcgc 246

<210> 17006
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700960672H1

<400> 17006

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<211> 247
 <212> DNA
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 <223> Clone ID: 700960679H1

 <400> 17012

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 cggagttacc gtaccgccc caggttggcc gactccgccc ttgtcgccga ggagctatgg 180
 tggcaagcca tagactatgt aagactaaac cacagcacca tctcgttctt taatttgccg 240
 gaaactg 247

<210> 17013
 <211> 246
 <212> DNA
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 <223> Clone ID: 700960680H1

 <400> 17013

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 ggtggatatg gtggtggtgg tcgcggtggt ggagggggat acaaccgtag cggtggcggt 180
 ggaggctatg gcggcggcgg tggatatggc ggtggcggtg gcggtggcta tggcggtggc 240
 agagac 246

<210> 17014
 <211> 245
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960681H1

 <400> 17014

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 cacatttatg actttgctaa atcttttttg ctaaggttga atttttttcg tttttacaag 180

002260-277650

tatgagtggg atattttatt acacaacatt cccattattt atatgctac tttctgttct 240
gcaat 245

<210> 17015
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<212> DNA
<213> Glycine max

<223> Clone ID: 700960682H1

<400> 17015

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gatgggagac gagaataaga ccaagtcccc tgcttccggc gtgtgggtcca ccatcaagcc 180
tttctgcaat ggcggacctc cggtatgctc gccacctgcg tcattcaacc catcgatatg 240
atcc 244

<210> 17016
<211> 245
<212> DNA
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<223> Clone ID: 700960684H1

<400> 17016

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ggcccatgat ggtggacctg gctcaggctt tcaagaggct cgaccgggac gagttggtgc 180
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ctgag 245

<210> 17017
<211> 229
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<223> Clone ID: 700960685H1

<400> 17017

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aaaactccaa ctgagaggaa aagaaagagc ctgagttctt gttcaagcat gaaggtgggg 240
tg 242

<210> 17021
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700960691H1

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ttggcactct ttgccatttc catacttcaa acagtggtaa tggctgctaa tgaacaagga 180
ggccacttgt atgacaacaa gagcaaatat ggaagtggaa gtgtcaagag ttaccaatgc 240
c 241

<210> 17022
<211> 85
<212> DNA
<213> Glycine max

<223> Clone ID: 700960692H1

<400> 17022

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tccttctctc ttccataggg ttttt 85

<210> 17023
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700960695H1

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 ctgtgggttat gaggataaaa ctgattgggg aagtgagata ggatggattt atggttctgt 180
 cacagaagat attcttaccg gatttaagat gcatgcccgc ggttggcggg ctatatactg 240
 catgcctaag cgccca 256

<210> 17024
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960657H1
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 ccaccgagtc cagcgacgcc aggggcattc ttggaatgaa cctcggccgc ttgtccttcc 180
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 acaacaa 247

<210> 17025
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960696H1
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 tgcggccggt gtcgaagaat ctgtaccggc ggatgaacag ggtggtggcg gagctgctct 180
 ggctggagct cgtgtggatt attgattggg gggccggtgt taaggttcaa gtattcacag 240
 atcctg 246

<210> 17026
 <211> 210
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960701H1

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 caagggaaat tttttttcga ggaagcgac agcagcagct ataccacgtt gcttgaagaa 180
 actgataaaa agcgctgccg ttgtgtcttt 210

<210> 17027

<211> 211

<212> DNA

<213> Glycine max

<223> Clone ID: 700960703H1

<400> 17027

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 cccatcagca tcacctaagt cagcaccaac accatcatca ttacaaaag caccaacatc 180
 atcaccgcag caccggcacc atcatcctcc a 211

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<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700960620H1

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 ggtgtagttg tagtgcagct gccagctgc tcaatgatcg ttggacagct gcactacaat 180
 cctacaataa tcccaaagat tcatctgaaa agccagttat gtattcgagt gggacatcag 240
 gatggactcc gtt 253

<210> 17029

<211> 253

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700960621H1

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tgcaaancca ncaaacgtag caaaccaaaa cgccaccacg ttctgaaagt gacatgcaac 180
agttaccaaa acacccaac accaaacca gaagaagaaa gtccatcata caacattcta 240
ggaaaatata gaa 253

<210> 17030

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700960622H1

<400> 17030

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ctgctggggc catttgctgt ggagatgtct tcggcagttt acaaggggtg ggttttctact 180
gatcaagccc ttctgcgga tcttatcaag agaggaatgg cagtggagga tccatcctct 240
ccctatggcc tt 252

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<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700960624H1

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aaccatgaag attttcaacc cctccaaatg ctttctccag aacgtgggtg gtcctttcga 180
caccctcttc atcatthaaca ggtttaagcc cttcgatctg ggtctctccc acctccacca 240

attccaattc

250

<210> 17032

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700960626H1

<400> 17032

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aaattacaac attgccctcg ccttctctgc ggtgctcacg ctgctcctct ttcccctact 120

gaccgtaggg gagctcgtgg aggagcagcc actagtcctc aagtaccaca acggccagct 180

cctgaagggc cgcatacccg tcaatctcat ctggtacggc accttcaccc cgatccaacg 240

gtccataatc 250

<210> 17033

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700960627H1

<400> 17033

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gcagcccca agaaagacga cggacccatc cctgtcggtt acaaactcga cttgcattgc 180

gagggatgcg tcaagaagat caaacgcaca tgtcgccact tccaaggtgt ggaaaccgtt 240

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<210> 17034

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700960628H1

<400> 17034

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<213> Glycine max

<223> Clone ID: 700960637H1

<400> 17040

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acgagacagc cgagcccccg cgctcattgg gcccggccca agcctatcac cggcccacaa 120
agagatccgc tccagaggcc tcaggaaacg cccctcgggc cgctacgccg ccgagatccg 180
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<210> 17041

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700960638H1

<400> 17041

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ctccctcggt cctcgatgcc cttctctgcy aagagcgaga aaccttcgag gaagactttg 180
atgagaacgg ttatgagcgt gagaccgaaa acaacgaacc ctctgtgata aagtcgcaat 240
ctttgccct 249

<210> 17042

<211> 81

<212> DNA

<213> Glycine max

<223> Clone ID: 700960640H1

<400> 17042

aagatggggt ctccaatggc gccatctctt actctcacta ttgcattaac cataatctct 60
ctcacgttcc catctcaaac a 81

<210> 17043

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700960642H1

<400> 17043

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aatgccaatg cttggcggtg ttgtacagat gtgtttgact atttaacact ttctgcaatt 120
attgatggaa ctgtgctttg tgttcacggg ggcctttctc ctgacattcg aacaattgat 180
cagataaggg tcattgaccg gaactgtgaa attcctcatg agggtccttt ctgtgatcta 240
atgtgg 246

<210> 17044

<211> 244

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700960644H1

<400> 17044

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tgctgtggct gggagctatt catttcaaca tcgccctgat cctcctcgcc gtgtttcttc 180
ttcctctctc caaatcgctc ttgggttttcg gttttctctt tgggtttatg gtgcttccac 240
acaa 244

<210> 17045

<211> 94

<212> DNA

<213> Glycine max

<223> Clone ID: 700960645H1

<400> 17045

ctttctctgc gttgccatga cggaaccaac ggagccatgc acgtcatctt ccttggcaag 60
ggacccaacc accgtgatcc acccaaggcg cgag 94

<210> 17046

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700960647H1

<400> 17046

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catcattgcg catgcaattg ttcctcaaaa cgaaaccttc aaatttgaga actcaggtga   120
acttggaacc tacatcggtg agtacggtgc agattacaga atgataagca tcttcaactc   180
tccattccaa gttggtttct acaacaccac cccaaatgcc ttcactctag ctttgcggtg   240
agggctccaa cg                                                    252
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<210> 17047

<211> 93

<212> DNA

<213> Glycine max

<223> Clone ID: 700960648H1

<400> 17047

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<210> 17048

<211> 220

<212> DNA

<213> Glycine max

<223> Clone ID: 700960649H1

<400> 17048

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gccataacat agccaccaga aaacaaaacc caccttagtt attaaaagaa aagaaaacta   120
cataaaatta agctttgttc ggtggtgacc atggggagca ccgactcatc aagcggttca   180
caacaaccga acctgccacc tgggtttcgg ttccacacaa                        220
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<210> 17049

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700960650H1

<400> 17049

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tcttctgcat tctgtgcctt tccacggagg ccagtggaga ctccattcgg cagaaactac 120
gttcccactt gggcttttga tcacatcaaa tacttcaatg gaggttctga gattcaactt 180
catcttgaca agtacactgg tactggcttc cagtccaaag ggtcatactt gtttggtcac 240
ttcagca 247

<210> 17050

<211> 99

<212> DNA

<213> Glycine max

<223> Clone ID: 700960651H1

<400> 17050

ggagcctgcc tgcaggaggt atcaatgtga cgcctcagat gcaagagcag aggggaaaaa 60
gtgctgcagc tggaacagat ctcaagccgc gtccagcag 99

<210> 17051

<211> 140

<212> DNA

<213> Glycine max

<223> Clone ID: 700960652H1

<400> 17051

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cagtatgatc taatagggaa gattggagaa ggcacctacg gtctcgtctt cctcgtcgc 120
atcaagtctt ccacacaaca 140

<210> 17052

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700960619H1

<400> 17052

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ggagtatcct tatagacaac attaatatatt catcaattgg tttcatgat cttagaagtc 120
 atttgagtat cataccacaa gatccaacct tatttgaagg caccattcga ggcaatcttg 180
 atcctcttga tgagcactct gataaagaga tttgggaggg ccttgataag tcacaacttg 240
 gagat 245

<210> 17056
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960656H1
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 ttctcataac aaactgtctc ttactcacca tcggcaccta cgggtggggccc ctctgtgatgc 180
 gtctctactt ccttcacggc ggccaccctg tetggctctc cagcttcttc gaaaccgccg 240
 g 241

<210> 17057
 <211> 64
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960511H1
 <400> 17057

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 tctt 64

<210> 17058
 <211> 66
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960513H1
 <400> 17058

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ttcctt

66

<210> 17059
<211> 52
<212> DNA
<213> Glycine max

<223> Clone ID: 700960514H1

<400> 17059

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52

<210> 17060
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700960518H1

<400> 17060

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cgaatactga atagatctaa agctcatctc caatcaatgg tcttgacacag taattcaact 180

atacttgagg atttctcacg ttcatctggt ggatgctgct acagatctta cagaacatgt 240

tcacggact aca 253

<210> 17061
<211> 144
<212> DNA
<213> Glycine max

<223> Clone ID: 700960519H1

<400> 17061

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gccatgatga tgatgatgcc atgttattca cttgctgtcg acattaatca acaactgagg 120

caagtgccac caaagcataa cgtg 144

<210> 17062
<211> 121

gtactacgaa actctcggcg tctccaacaa cgcttcgcac gatgatctca agaagcgctt 180

acaagaaagc cgccattaag aatcaccccg acaacggcgg tgatcccgag aagtttaaa 239

<210> 17066

<211> 156

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700960540H1

<400> 17066

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tctcttgccg acattcagca atgaatttgc gccattgnag ggaacgggtca aaagcttagt 120

tgcaacaacg tgggtcaagg ttgagcaacc aacacc 156

<210> 17067

<211> 220

<212> DNA

<213> Glycine max

<223> Clone ID: 700960541H1

<400> 17067

tttcactcgt tgaaatgaca atgccgctct tctttgtgga atttgtgtct aattttggat 60

tcactaccct ctctctgcat tctgtgcctt tccacggagg ccaactccctg cctcattcgg 120

cacaaactac gttctcactt gggcttttga tcacatcaca tacttcaatg cacgttctga 180

gattccactt catcttgaca actacactgg tactggcttc 220

<210> 17068

<211> 61

<212> DNA

<213> Glycine max

<223> Clone ID: 700960543H1

<400> 17068

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g 61

<210> 17069
<211> 197
<212> DNA
<213> Glycine max

<223> Clone ID: 700960545H1

<400> 17069

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gcttccccct ctgctctcca cgctcttctt ctctctcgcc cactgccact ctccgctcgg 120
gctactctgc ccccccccc accacgcaca accctgcgta caacaccaca gacaccaca 180
ctaccgctg ttaagcc 197

<210> 17070
<211> 154
<212> DNA
<213> Glycine max

<223> Clone ID: 700960547H1

<400> 17070

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acatctggtg ctgctcaaa tgggttcgga tcttcttctt ccagtggacg accaggagcc 120
acacctttgg ccctgctatt ggaggcaaag ttgg 154

<210> 17071
<211> 104
<212> DNA
<213> Glycine max

<223> Clone ID: 700960549H1

<400> 17071

atcacccttg aggtggacag tctgacacca tccacaacgt caacgccaac atccaggaca 60
acgaaggaat cccccgcac caccaaagcc tcattcttcg cggc 104

<210> 17072
<211> 137
<212> DNA
<213> Glycine max

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cacacaattt cttcaccaca cgtttctcca acgcatgctc caactaacta tcaacgatcg      60
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acagcactac cgcgtac                                     137

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<400> 17073

<210>	17074
<211>	144
<212>	DNA
<213>	Glycine max

<400>	17074
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<210>	17075
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<212>	DNA
<213>	Glycine max

<400>	17075
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7477

<210> 17076
 <211> 64
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960578H1

 <400> 17076

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 ttta 64

 <210> 17077
 <211> 130
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960580H1

 <400> 17077

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 ggccttggtgta 130

 <210> 17078
 <211> 149
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960583H1

 <400> 17078

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 ggttcctctg ctacaattgg caactcatta cgacacacag caaccacgca cgtttagttca 120
 cgaactgcga tcacccccctt cgttttctc 149

 <210> 17079
 <211> 107
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960589H1

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aatcatcaat tgaattgtgc atatagaaac agctctgcag attatggtgg t 171

<210> 17083
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700960602H1

<400> 17083

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agaggttggt gggtcgtgta tagaacattt ggtaacgaga tgtttgagct tgtagcatat 120
gagttgatgt cagccaatga tgcaccagaa agggatccac tggactggat tcttgaaggg 180
agcagtgatg acgggatcag ctggcaagtt ttggacaagc aaacctctca gttctttgaa 240
gaccgtttcc agcgt 255

<210> 17084
<211> 177
<212> DNA
<213> Glycine max

<223> Clone ID: 700960508H1

<400> 17084

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aggcactggg ttcgttggtt cacggaccat caagagatcc ttgaacacgg atatgctggt 120
aacaccacta ctagatctga ctcaggacgc aagagacacg ttagcttcct caccaac 177

<210> 17085
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700960605H1

<400> 17085

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cattcaagtc cctcacaatg gcggaatcgt gccttctatc cctcccttcc ctcttctacg 120

ccaaaaacaa taccctttct ctctcaattc ccaccaagcc cctcaacctc catcttccat 180
gctccaactc ttcgctcttt cccctcacca ccaaaacaac ggcgcactct tctctcctca 240
cattcgtggc tcaga 255

<210> 17086
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700960606H1

<400> 17086

agtccgaatt gtgaaagtaa gcaaagatgg ctttcacgga atcgtctctc ctcttcctt 60
cggtttcagg aaccaacaag aacaagaaca aggttcacga agacaaatgg tatttagcct 120
acattgtgta ttttaccctg ggtctcggtt accttctccc atggaacgct ttcattcaccg 180
ccgttgatta cttctccttt ctctaccctg acgccagcgt tgaccgcacg ttcgccgtgg 240
tttacctgat agtcgg 256

<210> 17087
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700960609H1

<400> 17087

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gacccatata aaagttcctc cgctggttgt ggtggtgttc tgagggacgc atcagcaaag 120
tggtcccggt gctttgctaa aaaactgaac cctacttatg cagtgcacca gacagagtta 180
gaagccattc tcacgggctt gaaggtggct tcagagatga atgttaagaa actaattgtg 240
gagtcagaca gt 252

<210> 17088
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700960611H1

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tcggttccaa gtcgccaccc aagctttgcg tctttactct cagatgctct gctggcaatg 180
gagaaaggcc ttggaaaact tcaggcgcta gacttatgtt agaagatgga tcaatctgga 240
aagcaaagtc 250

<210> 17089
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700960612H1

<400> 17089
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gacccataca aaagttcctc cgctgggtgt ggtgggtgtc tgagggacgc atcagcaaag 120
tggctccgtg gctttgctaa aaaactgaac cctacttatg cagtgcacca gacagagtta 180
gaagccattc tcacgggctt gaaggtggct tcagagatga atgttaagaa actaattgtg 240
gagtcag 247

<210> 17090
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700960613H1

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agcagagcga aaatgacaac caccttcgcg accgtcgcag gactcgggtg cgcatctactg 120
tcatccacct catctcgtct cacctcaggg tttgtgaaat cccagtgat tgctaggaat 180
cccttgaggc aagctgtggc aatgggaaat gggaggatta catgctttga gaggaattgg 240
ctgcgggcag 250

<210> 17091

<211> 235
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 700960615H1

 <400> 17091

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 aaggtcgtaa gttttangcg aagcgcgagg gagattccga cgagcttgta gatccacca 180
 aggtggagga caagatcggg gctgtgcctc atggcctttc aaccgattca gatgt 235

<210> 17092
 <211> 71
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960616H1

 <400> 17092

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<210> 17093
 <211> 248
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 700960618H1

 <400> 17093

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 cgccggggct aagtctaagt gtagtaccgt tgggattcaa ggtatcgctt gggccttcgg 120
 tggcatgatc ttgcacctcg ttactgcac cgctggcatc tcagggggac acataaaccc 180
 ggcggtcaca tttgggctgt ttttggcgag gaagttgtcg ttgcccaggg cgatttncta 240
 catcgtga 248

<210> 17094

<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700960473H1

<400> 17094

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tttctcgatg gaagcagaga ggaatgtatg caatgtgcat gtgggttgtc cagttgctac 180
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tggttgattg ctttc 255

<210> 17095
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700960474H1

<400> 17095

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aacaacacatt actggatcat taagaattca tggggcgaga gctggggaga gaatggatat 180
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gctatatatc ca 252

<210> 17096
<211> 250
<212> DNA
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<223> Clone ID: 700960475H1

<400> 17096

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gcttttagtca gtccccagca gagtttatta atgccttgat agcttctcag agcaaggatc .240
tgaagctcgt tg 252

<210> 17100
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700960479H1

<400> 17100

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gaacatgtaa accacaaaaa gattgatccc accaccgctg aaactagttt tcttggcaaa 180
gtcatgaact ttttgtggag ctcatctggg tctggatacg aacatacttg gccagaaata 240
gaatttgggt gga 253

<210> 17101
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700960481H1

<400> 17101

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gctctaacta tgtttgattt ggatacccaa caacaaaaag agtggtgtcg tggtgttgta 120
gttaatagta ataggactaa gtaagagtag tggaaaacat gaacaacagc agtggcgagg 180
gaggacgagg aactttgatg ggtttgagta atgggtattg tgggaggtcg ccattcacag 240
tgtctcagtg gcaggaactg gag 263

<210> 17102
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700960482H1

<400> 17102

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tgccactccc atcgacaact ccgacatgat cgtgacggcg tcgcgcgaca aatccatcat 180
tctctggcac ctcaccaagg aggacaagac ctacgggtgtc ccccgccgcc gcctcaccgg 240
acattctcac ttcgtccagg acg 263

<210> 17103
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700960483H1

<400> 17103

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aagggtacagg gagagggttt gacaaatgat gggttttattc ctcagatatt ttcattctatg 180
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<210> 17104
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<212> DNA
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<223> Clone ID: 700960484H1

<400> 17104

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agcctcagat ctccccgctt ccgcatggct tccacctcc gctccggttc caaagagggtt 180
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atgcgtcccc agaagattg 259

<210> 17105
<211> 259
<212> DNA

<213> Glycine max

<223> Clone ID: 700960485H1

<400> 17105

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ggaaccattc caagcttggt caggtoecat tggtaatact gctagcatta gtgtcacaaa 180
gcggaagaaa cacactgcag gtgatgcact ggatttatca aaaccatata aaggtgcctt 240
caaggataag gttaaagga 259

<210> 17106

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700960487H1

<400> 17106

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tgttttcttt ttcttctcct ccttggagaa gagttttgcc tttcaagcag caagaaagga 120
ggacacagaa agcaacaatc ttcataata tactcatctt gttcacctca gctcactcct 180
tccttcatct tcttgcagct cttctaccaa aggtcgcaga acagaagcat cattagaagt 240
ggtacacaaa catgggcc 258

<210> 17107

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700960488H1

<400> 17107

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cagaaatcat ggggaaataa acataattaa tctccgaaat aaacaaaaca tttttcgtga 120
cattcgatga atgatatgaa ggtgagaagt gggttgtgcg tgtggccaaa tgtgagacaa 180
ctttgcttta gaaaaggcat tctatatggg tttatgcgat tgttttctac tccgttgaaa 240

acgctgcgtg gagcta

256

<210> 17108
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700960489H1

<400> 17108

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caacatcagc gatccaacct tagtattctt caaccagag agatttgtaa taataaatta 120
caacaactta aacgatggca ggaggagctt atgtagattc gggaaatgca aagcaatttg 180
atgggaaggt cacggcattc gtattggta catgctttgt ggcagccatg ggaggcttac 240
tcttcggtta tg 252

<210> 17109
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700960490H1

<400> 17109

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aaagatactt tctctcagg aagtgcagca gatgggcaac aatggccttg agctgttgaa 120
ctcgtttcca attcaaaggc tctctaattg catctgtgat gactatgtga gccgtcaaga 180
ccaagaaat ttaggcactg ggataacaac cgtgggggtct ttagactact aaatagtctt 240
cacttcttct atc 253

<210> 17110
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700960491H1

<400> 17110

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<223> Clone ID: 700960501H1

<400> 17116

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cgcgcacacc caccacacca cccccacca ccaacaacca ccacaccccc accccaacgc 120
ccaaaccacc aagcacaact ctgatctctc cttcaagcca agctcacagg taaagggcat 180
cacatcttgg agcgcacttc atagtgaact ccttcacaat cagaagagca agaccctcgg 240
agctcctcaa cgttctttct ttcccaccac acaacaaca 279

<210> 17117

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700960503H1

<400> 17117

tccaggtcat ccaagacaat ccaacaacaa tggtcagctc ttcacctcaa gctcccaagt 60
catgctgcct catcctctca tccaatctct tcattcaacc aattcaactc ttaatcgacg 120
cattccaaca tcacctagtt ccaaacttct tcattcagat aacaacaatg atcgtagcca 180
accacacaac ggtagtagta ctactcgttc ttgcagctct catcgtggct cctctctgat 240
gcaaac 246

<210> 17118

<211> 106

<212> DNA

<213> Glycine max

<223> Clone ID: 700960505H1

<400> 17118

cgcacgcaag ctccggcaact aggcctcgcaa gtaatcgcaa aatctaggcg tttgtctcgt 60
tccgtcgttc cgccaacaat cggcgctcca gcagattctc acaacg 106

<210> 17119

<211> 160

<212> DNA

<213> Glycine max

<223> Clone ID: 700960507H1

<400> 17119

acaacaaaat ggtgtgtgaa cagttcgggt cggacaacga tctagccaac agaatacgggt 60
gttttggccc tcataccact gcgaccacca tcatgggtga tgcattgtaac ggagttcagt 120
acctccatgc catgaaggac gctgttcttg ctggctttca 160

<210> 17120

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700960472H1

<400> 17120

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tacaccctgg cttctggcac tacctcttct ttgtgttggt cctttatgcc agtgtcacag 120
tggttgaaag cttaatgatg gcaattgcta gcattgtccc caacttcttc atgggcatca 180
ttattggagc aggaattcag ggcatattca tgttgggtctc aggctatttt aggctcccac 240
atgatatccc aaagccag 258

<210> 17121

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700960440H1

<400> 17121

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cgatgccata ttgcgcaacg tcgaacgcgt caatgcggag ctgtttactt tgacgtatgg 120
cgcaattgtg cgtcaattgc tcacggatct ggaagagggt gaggagggtta acgagcagct 180
tgatcaaatg ggttacaata ttggaatccg attgattgat gagtttttag ctaagtctaa 240
tgtctcaaga tgcaacgatt tca 263

<210> 17122

<211> 261

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700960441H1
 <400> 17122
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 ctttattgct atcatatgcc ttgttctagc tatatttagt tcctgtgtag ccggaataat 120
 taattatctc tatgtctggt ttgttggttt aaaattcata gctttcgaac tataatgatg 180
 atctgcggag aggagaacgc tcttcgattt gaataacaca atggtaactt ggcattgggt 240
 gcgatgctaa aaaataattt c 261

<210> 17123
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960442H1
 <400> 17123
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 catccgttga aattgtgttg agagaataac caaatcggtt gacaatctgg tggaggggag 120
 atatcaattt ggaaaggaaa attgtacttt gattaggttg ttggtgatgt tcttttacca 180
 ttcttcctcc ttctgtaaatt attagatctg atgaaacggt tagcagtttg tgaatacagg 240
 ttgctacctg taatgtaag 259

<210> 17124
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960443H1
 <400> 17124
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 ccgatttgtc aaagctggtg atgtctatga ctatgaccct ttgaaccaa ccagaagcta 120
 ctgagtgtac aacttttaac catgttctgt aaaaaggaaa gaatcactct atagttgcaa 180
 aagaaaagta actcttacct gaaaaaatgg atgaaatttg atgcattctt tctccatgca 240

atgacaagct gtctgatttt

260

<210> 17125
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700960444H1

<400> 17125

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agctgcctgc tctgcagct tctgagcgca gggctatgtt gaagcatgaa atacagaggc 120
gtcagttgca atgtgatgat gacatcctgc ttgatgtggc tgtagaatgt gatggttatg 180
atggttatga tctggaaata ttagttgaca gaactgtcca tgctgctgtt tgccgttttc 240
tgccatctaa tgctgccat 259

<210> 17126
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 700960449H1

<400> 17126

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tttggttttc taaacgtcga tggcaacctt tttatctttg ccaacaaccg cgctatcttg 120
ttcgattaca ataagaacag tgtcgtgaga acctaccctc aaatacccggtg ggagatcca 180
cggtgttatc ctagcaccgg ttccgcagtt ttgcttcctc ttcgagaacc taatgtggag 240
gctgaggttc tgatttgtgg tggaccccgga g 271

<210> 17127
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700960450H1

<400> 17127

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002230"03600

agtgcgtga cagctgatat gggtatgctt tctacagatg aaccagagaa gaagaaaaaa 120
gcagcaagta acggaaatgg cggttctcag aatggtaact caatgcacta tgggaccctg 180
gttggggaag tgaaagctaa tttgaagaaa ggtattggag cgaatgaatt gctgtcccat 240
ctttcagcac atcctgcacc tgctcaa 267

<210> 17128
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700960451H1

<400> 17128

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aaatatttca acacactctc tcattgcttc aatttccgtt acgtaaagcc actttctcaa 120
acctcagttt cctgttggtg tgggtgaagt tgggtgagaga cgaatcttgg ggaattttgg 180
atctgtttgc cgtgaaaccc taatttcttg cttgtgaggc tttggaaatt ggggttctgg 240
ttagatggaa gctgaggatg gaagta 266

<210> 17129
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700960453H1

<400> 17129

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accagctcga gataagacat ggaccggatc aaaggcccat ggagtccgga ggaggacgag 120
gctctgcaga agctggtgga gaaacacggg cccaggaact ggtctctgat cagcaagtcc 180
atccccggcc ggtccggcaa gtctcgcagg ctccggtggt gcaacagctg tccccccagg 240
tggagcaccg ggccttcacg gccg 264

<210> 17130
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700960455H1

<400> 17130

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gttgttgcag tgacggagct gagcaagagc aacaaggacc gaatcaacac ctcttccgca 120
ttcaattcct tcgagaacaa ctacgtcatt gtctattccc tcatgatggc tggagattgg 180
ctacaaggtc catatgtcta ctacctttac agtacatatg gatattgggaa gggagacata 240
ggacaactct tcattgctgg t 261

<210> 17131

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700960458H1

<400> 17131

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cctctcctac ctcccggagc catggccgcc gccgactcct ccgccgtcc atcgcaccag 120
ttgtcgcaga gggagacgga catccagatg atgctcgccg ccgacgttca cctcggcacc 180
aaaaactgcg acttttcagat ggaacgctac gtcttcaagc gcagaaccga tggatatttac 240
ataattaacc ttggcaag 258

<210> 17132

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700960459H1

<400> 17132

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tggcggcggc ggcggcagtg acggtgctac tcccacctag gattccgacc gccaccaacg 120
ttaccgcgtg ctctgctttg ccttctctgc ctctcgcgg caccaacact aaaaccactt 180
tgctcttatc ttccctcaac cacttctcag tgtcccgaaa atcttctctg cttcagacca 240
gagcttcttc agaggaat 258

<210> 17133
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960460H1

<400> 17133

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 gtgtcttaag aaagagagag atggcggcgg agataccgtg ctgtggaaca aagttttcac 120
 tgtacgtttt ggtgatcata ggtttgggtct gcttcgcggg actaatggct ggtctcactc 180
 tcggactcat gtctttggga ctgcgcgacc tcgaagttct catcaaactt ggtcgtcctc 240
 aggatcgcat ccacgc 256

<210> 17134
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960461H1

<400> 17134

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 ggaaaattcg agaagatttt tcgaattttt caccactgct ttgtgcgcac gatcggtttc 120
 ggattcgggc tccgattttc gcctctcgcg aagagcttgg gttcatttgc actaatggag 180
 gggaaggagg tttgcggggc ggagtcggcg gttgatggaa gccgcgacgt ttggagttcg 240
 gagccctcgc tcgc 254

<210> 17135
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960462H1

<400> 17135

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 attaccctaa caccagtgat ggcaggtttg gctccagaag gatcgcagtt tgatgctcgg 120

cagtatgact ctaagatgaa tgaattgctt tccgctgatg gacaagaatt tttcacttca 180
 tatgatgaag tctatgatag ttttgatgca atgggccttc aagaaaatct tctcagaggc 240
 atatatgctt atgg 254

<210> 17136
 <211> 97
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960463H1

<400> 17136

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 ataggatgtg tgatgattgt cttttgtccg tcactgc 97

<210> 17137
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960464H1

<400> 17137

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 aatccaagca aagtccacat cagaagaact ctacaagaca caaccaacac acctaccaca 180
 gttttcccca caaatccaac cgggccttca cctgtaatca cacctccaga tacaccagac 240
 atcatcacag ttcctt 256

<210> 17138
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960465H1

<400> 17138

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 tattcgaatg agaattgcta ttgggactgc aaaagggtta gcctatctgc atgaaggttt 120

